

Converting Colors

XYZ(78.1946, 100.0000,
96.8587)

Have a look what the booklet for
XYZ(78.1946, 100.0000, 96.8587)
contains.

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Color

**XYZ(72.5752, 88.6991,
94.9569)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFFEF
RGB	190, 255, 239
RGB Percent	75%, 100%, 94%
CMY	0.2549, 0.0000, 0.0627
CMYK	0.25, 0.00, 0.06, 0.00
HSL	165°, 100%, 87%
HSV	165°, 25%, 100%
XYZ	72.5752, 88.6991, 94.9569
YIQ	233.7410, -33.6040, -18.7560

Conversions

Conversions Part 2

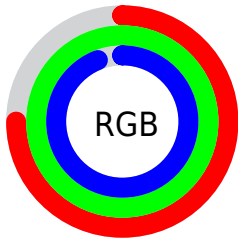
Format	Color
R_{YB}	190, 227, 255
Decimal	12517359
CIE _{Lab}	95.45, -23.40, 1.08
CIE _{LCh}	95, 23.428, 177.354
Yxy	88.6991, 0.2832, 0.3462
Android (android.graphics.Color)	4290707439 (0xFFBEFFEF)
YUV	233.7410, 2.5927, -38.3609
Hunter-Lab	94.1802, -27.2634, 6.1472

Details

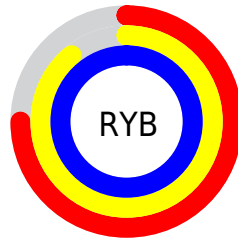
The XYZ color **72.5752, 88.6991, 94.9569** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.7947, 62.5444, 66.7340**, and the grayscale version is **78.0100, 82.0725, 89.3770**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **38.7330, 48.9580, 52.2081** is the 20% darker color. If you saturate the color by 10%, you get **65.8426, 85.3336, 89.8861**, and if you desaturate by 10%, it is **80.4562, 92.6529, 100.2525**.

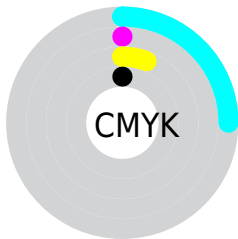
Distribution



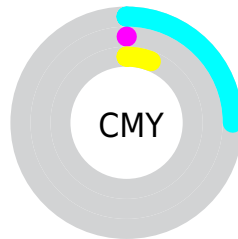
- Red (75%)
- Green (100%)
- Blue (94%)



- Red (75%)
- Yellow (89%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5752, 88.6991, 94.9569 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 72.5752, 88.6991, 94.9569 by changing the saturation by 10% instead.

 72.5752, 88.6991,
94.9569

 72.5752, 88.6991,
94.9569

458.6678,
523.7899, 565.0078

 53.9158, 66.9022,
71.5024


 121.8803,
145.5301, 156.2001

 38.7648, 49.0051,
52.2680


153.2568,
181.3329, 194.8259

 26.7567, 34.6236,
36.8350

189.6031,
222.5732, 239.3460

 17.5262, 23.3730,
24.7850

231.2844,
269.6353, 290.1787

 10.7080, 14.8692,
15.6994

278.6662,
322.9036, 347.7427

 5.9367, 8.7276,
9.1596

332.1138,

 2.8469, 4.5640,

382.7626, 412.4565

4.7472

391.9925,
449.5966, 484.7387

■ 1.0733, 1.9938,
2.0436

■ 0.0026, 0.6039,
0.5819

■ 72.5752, 88.6991,
94.9569

■ 72.5752, 88.6991,
94.9569

■ 65.8426, 85.3336,
89.8861

■ 80.4562, 92.6529,
100.2525

■ 60.1971, 82.5249,
85.0311

■ 89.5368, 97.2213,
105.7725

■ 55.5761, 80.2406,
80.3888

95.0500, 100.0000,
108.9000

■ 51.9091, 78.4446,
75.9542

■ 49.1167, 77.0958,
71.7217

■ 47.1061, 76.1466,
67.6853

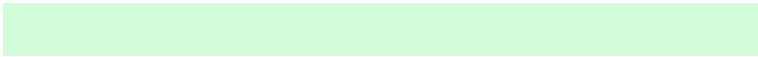
■ 45.7626, 75.5378,
63.8376

■ 45.3006, 75.3362,
62.1599

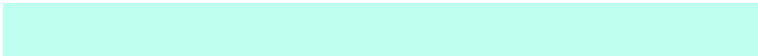
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3407, 88.6991, 78.7486



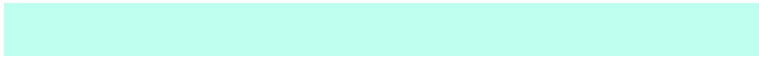
72.5752, 88.6991, 94.9569



73.8184, 88.6991, 113.7359

Triad

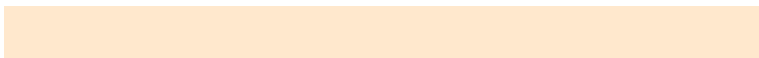
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.5752, 88.6991, 94.9569



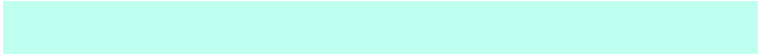
90.1013, 88.6991, 131.4728



91.1360, 88.6991, 69.7833

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



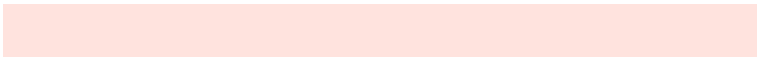
72.5752, 88.6991, 94.9569



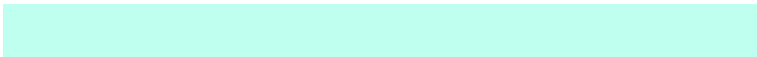
70.7947, 62.5444, 66.7340

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.7423, 88.6991, 81.2392



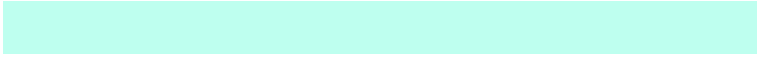
72.5752, 88.6991, 94.9569



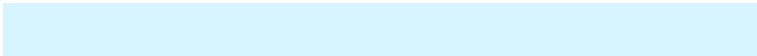
95.1239, 88.6991, 116.9144

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.5752, 88.6991, 94.9569



83.7378, 88.6991, 136.3371



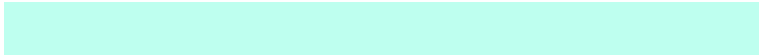
97.2369, 88.6991, 98.2179



84.8764, 88.6991, 65.4146

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



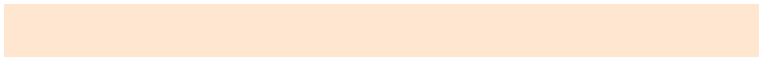
72.5752, 88.6991, 94.9569



76.2229, 88.6991, 124.9612



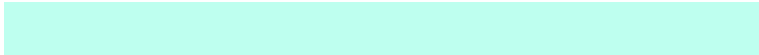
97.2369, 88.6991, 98.2179



92.9409, 88.6991, 72.8556

Sweetspot

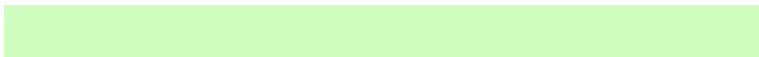
The Sweet Spot groups the original color and five complimentary colors.



72.5762, 88.6996, 94.9584



87.1410, 96.0150, 104.3650



70.5782, 88.3957, 62.0590



18.3525, 20.4005, 22.1594



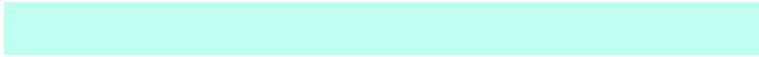
0.0000, 0.0000, 0.0000



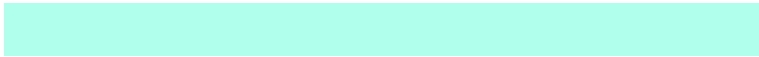
20.3446, 21.4041, 23.3091

Same Dimension

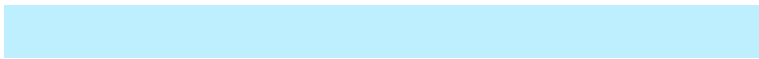
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5762, 88.6996, 94.9584



68.7272, 86.7739, 92.1359



70.0794, 79.7546, 106.3083



18.3525, 20.4005, 22.1594



23.7329, 39.3898, 32.8085



2.3540, 3.8525, 3.4222

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



70.7947, 62.5444, 66.7340



66.6520, 56.2496, 59.2157



72.6666, 69.2419, 58.2518



18.1927, 18.0604, 19.6319



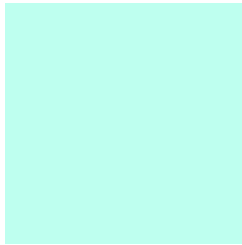
22.0634, 11.3146, 3.7182



2.1894, 1.1181, 0.5786

Previews

White Background



This preview shows how the XYZ color 72.5752, 88.6991, 94.9569 looks on a white background.

Color Contrast Check

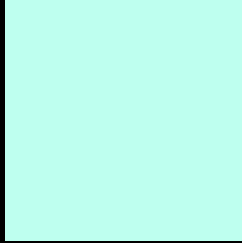
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 72.5752, 88.6991, 94.9569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

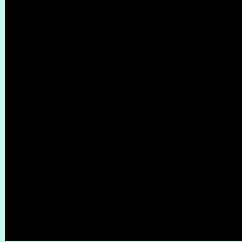
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

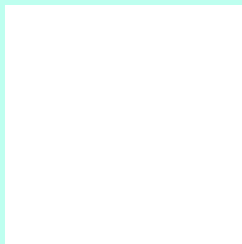
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5752, 88.6991, 94.9569

Background



This preview shows how black text looks on a background with the XYZ color 72.5752, 88.6991, 94.9569.



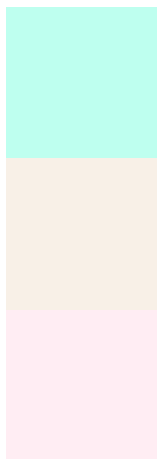
This preview shows how white text looks on a background with the XYZ color 72.5752, 88.6991,

94.9569.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.5752, 88.6991, 94.9569

Protanopia

84.2953, 88.0462, 88.1531

Deuteranopia

87.7018, 88.2994, 97.2151



Tritanopia

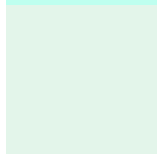
80.8266, 88.0544, 107.3439

Trichromacy



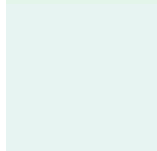
Original Color

72.5752, 88.6991, 94.9569



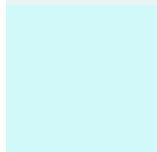
Protanomaly

79.1822, 87.5762, 90.5725



Deuteranomaly

81.3327, 88.1011, 96.7229



Tritanomaly

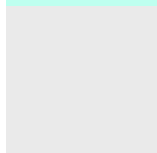
77.5529, 88.2926, 102.5772

Monochromacy



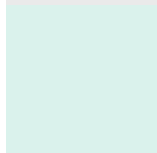
Original Color

72.5752, 88.6991, 94.9569



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.8059, 84.4658, 91.6650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5752, 88.6991, 94.9569 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(190, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(190, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 72.5752, 88.6991, 94.9569 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 255, 239) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(190, 255, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(190, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5752, 88.6991, 94.9569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(190,  
255, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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