

Converting Colors

XYZ(78.3136, 100.0000,
97.9179)

Have a look what the booklet for
XYZ(78.3136, 100.0000, 97.9179)
contains.

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Color

**XYZ(72.7234, 88.7584,
95.7372)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BEFFF0 |
| RGB | 190, 255, 240 |
| RGB Percent | 75%, 100%, 94% |
| CMY | 0.2549, 0.0000, 0.0588 |
| CMYK | 0.25, 0.00, 0.06, 0.00 |
| HSL | 166°, 100%, 87% |
| HSV | 166°, 25%, 100% |
| XYZ | 72.7234, 88.7584, 95.7372 |
| YIQ | 233.8550, -33.9250, -18.4450 |

Conversions

Conversions Part 2

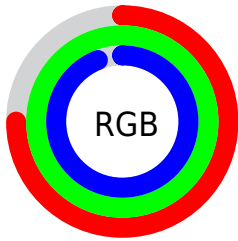
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 190, 227, 255 |
| Decimal | 12517360 |
| CIE _{Lab} | 95.48, -23.20, 0.60 |
| CIE _{LCh} | 95, 23.208, 178.513 |
| Yxy | 88.7584, 0.2827, 0.3451 |
| Android (android.graphics.Color) | 4290707440 (0xFFBEFFF0) |
| YUV | 233.8550, 3.0295, -38.4608 |
| Hunter-Lab | 94.2117, -27.0836, 5.6981 |

Details

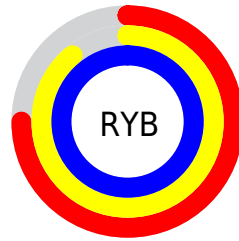
The XYZ color **72.7234, 88.7584, 95.7372** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.6736, 62.4960, 66.0963**, and the grayscale version is **78.0931, 82.1600, 89.4723**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **38.8375, 48.9998, 52.7583** is the 20% darker color. If you saturate the color by 10%, you get **66.0420, 85.4134, 90.9362**, and if you desaturate by 10%, it is **80.5493, 92.6901, 100.7426**.

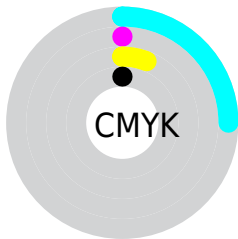
Distribution



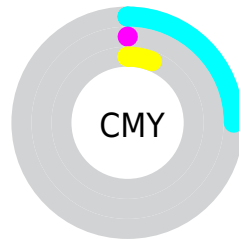
- Red (75%)
- Green (100%)
- Blue (94%)



- 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 72.7234, 88.7584, 95.7372 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 72.7234, 88.7584, 95.7372 by changing the saturation by 10% instead.


 72.7234, 88.7584,
95.7372

 72.7234, 88.7584,
95.7372


459.1742,
523.9837, 567.5669

 54.0374, 66.9513,
72.1484


 122.0897,
145.6125, 157.2870

 38.8623, 49.0451,
52.7924


153.5007,
181.4284, 196.0851

 26.8329, 34.6552,
37.2504

189.8841,
222.6827, 240.7901

 17.5837, 23.3974,
25.1042

231.6052,
269.7597, 291.8205

 10.7494, 14.8872,
15.9349

279.0295,
323.0440, 349.5948

 5.9646, 8.7403,
9.3243

332.5221,

 2.8640, 4.5722,

382.9198, 414.5316

4.8536

392.4486,
449.7715, 487.0495

■ 1.0823, 1.9985,
2.1044

■ 0.0102, 0.6066,
0.6184

■ 72.7234, 88.7584,
95.7372

■ 72.7234, 88.7584,
95.7372

■ 66.0420, 85.4134,
90.9362

■ 80.5493, 92.6901,
100.7426

■ 60.4440, 82.6236,
86.3311

■ 89.5709, 97.2350,
105.9519

■ 55.8666, 80.3568,
81.9189

■ 95.0500, 100.0000,
108.9000

■ 52.2397, 78.5768,
77.6950

■ 49.4837, 77.2426,
73.6542

■ 47.5059, 76.3065,
69.7907

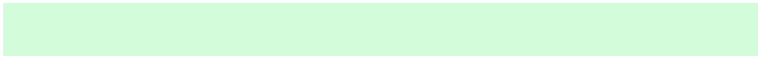
■ 46.1918, 75.7095,
66.0977

■ 45.7418, 75.5127,
64.4837

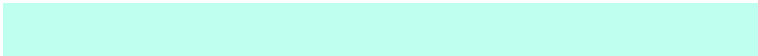
Harmonies

Analogous

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



74.3620, 88.7584, 79.4874



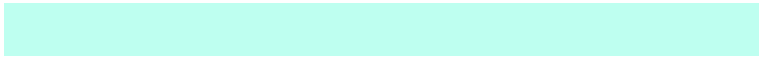
72.7234, 88.7584, 95.7372



74.0708, 88.7584, 114.3353

Triad

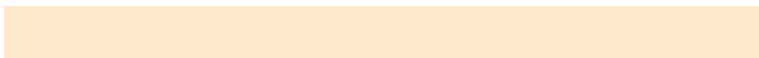
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7234, 88.7584, 95.7372



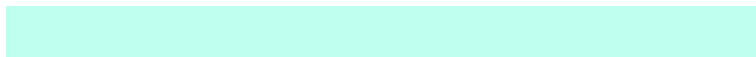
90.3327, 88.7584, 130.7827



90.9089, 88.7584, 69.7587

Complementary

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



72.7234, 88.7584, 95.7372



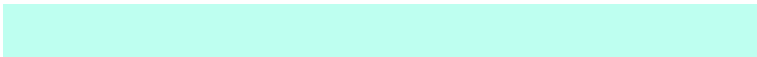
70.6736, 62.4960, 66.0963

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.



95.5653, 88.7584, 80.8767



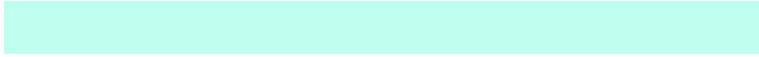
72.7234, 88.7584, 95.7372



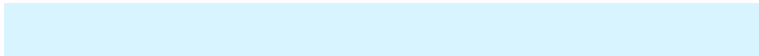
95.2210, 88.7584, 116.1044

Square

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



72.7234, 88.7584, 95.7372



84.0454, 88.7584, 136.0318



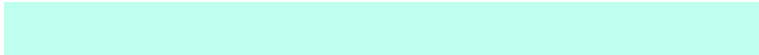
97.1809, 88.7584, 97.5541



84.6798, 88.7584, 65.7018

Rectangle

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



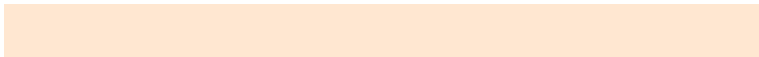
72.7234, 88.7584, 95.7372



76.5211, 88.7584, 125.3101



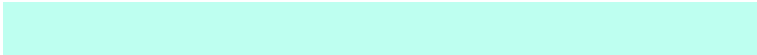
97.1809, 88.7584, 97.5541



92.7214, 88.7584, 72.7194

Sweetspot

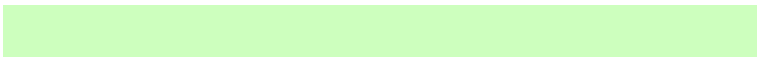
The Sweet Spot groups the original color and five complimentary colors.



72.7244, 88.7589, 95.7387



87.1903, 96.0347, 104.6244



70.2780, 88.2410, 62.0450



18.3650, 20.4055, 22.2250



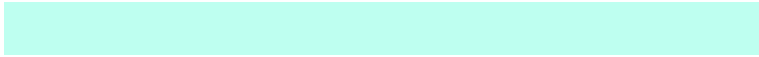
0.0000, 0.0000, 0.0000



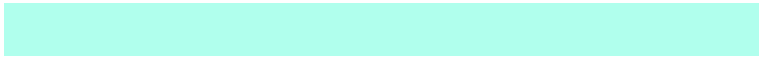
20.3446, 21.4041, 23.3091

Same Dimension

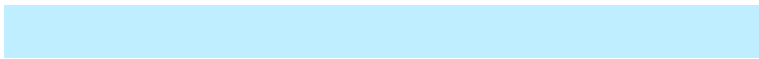
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7244, 88.7589, 95.7387



68.9041, 86.8446, 93.0674



69.7637, 79.1231, 106.2031



18.3650, 20.4055, 22.2250



23.9612, 39.4811, 34.0104



2.3745, 3.8607, 3.5302

Inverse Universe

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



70.6736, 62.4960, 66.0963



66.5146, 56.1947, 58.4924



72.9287, 69.7662, 58.3393



18.1811, 18.0557, 19.5706



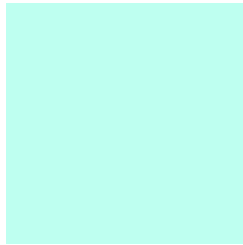
22.0059, 11.2916, 3.4155



2.1823, 1.1153, 0.5414

Previews

White Background



This preview shows how the XYZ color 72.7234, 88.7584, 95.7372 looks on a white background.

Color Contrast Check

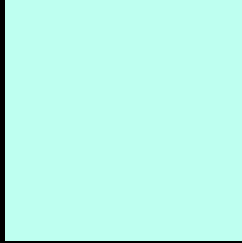
Large Text (above 18pt) WCAG AA × Fail

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 72.7234, 88.7584, 95.7372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

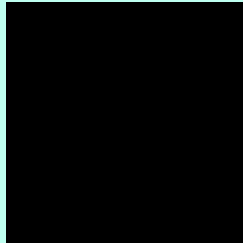
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

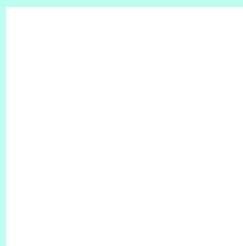
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7234, 88.7584, 95.7372

Background



This preview shows how black text looks on a background with the XYZ color 72.7234, 88.7584, 95.7372.



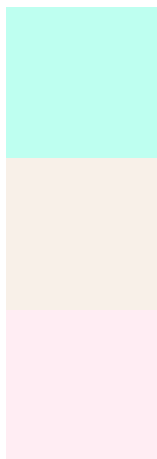
This preview shows how white text looks on a background with the XYZ color 72.7234, 88.7584,

95.7372.

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

72.7234, 88.7584, 95.7372

Protanopia

84.4370, 88.1028, 88.8992

Deuteranopia

87.7018, 88.2994, 97.2151



Tritanopia

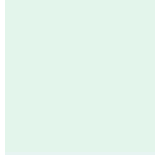
80.8266, 88.0544, 107.3439

Trichromacy



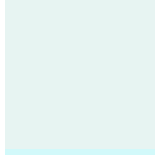
Original Color

72.7234, 88.7584, 95.7372



Protanomaly

79.3264, 87.6339, 91.3313



Deuteranomaly

81.3327, 88.1011, 96.7229



Tritanomaly

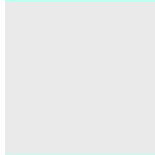
77.7093, 88.3551, 103.4010

Monochromacy



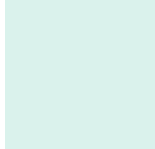
Original Color

72.7234, 88.7584, 95.7372



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 72.7234, 88.7584, 95.7372 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 72.7234, 88.7584, 95.7372 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, 240) }
```


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

```
.border{ border-color:rgb(190, 255, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7234, 88.7584, 95.7372 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, 240) }
```

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

```
.background{ background-color: rgb(190,  
255, 240) }
```

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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