

Converting Colors

XYZ(68.4302, 86.5565, 95.0268)

Have a look what the booklet for
XYZ(68.4302, 86.5565, 95.0268)
contains.

XYZ(68.3532, 86.5227, 94.7593)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.3532, 86.5227,
94.7593)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFEF
RGB	172, 255, 239
RGB Percent	67%, 100%, 94%
CMY	0.3255, 0.0000, 0.0627
CMYK	0.33, 0.00, 0.06, 0.00
HSL	168°, 100%, 84%
HSV	168°, 33%, 100%
XYZ	68.3532, 86.5227, 94.7593
YIQ	228.3590, -44.3320, -22.5720

Conversions

Conversions Part 2

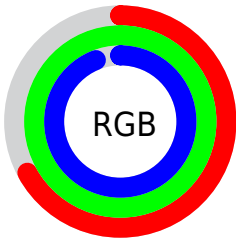
Format	Color
RYB	172, 218, 255
Decimal	11337711
CIELab	94.54, -28.48, -0.37
CIELCh	95, 28.484, 180.746
Yxy	86.5227, 0.2738, 0.3466
Android (android.graphics.Color)	4289527791 (0xFFACFFEF)
YUV	228.3590, 5.2460, -49.4268
Hunter-Lab	93.0176, -31.6115, 4.7121

Details

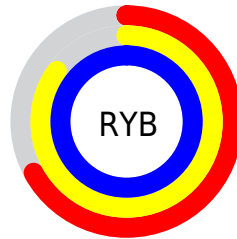
The XYZ color **68.3532, 86.5227, 94.7593** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.0702, 54.3970, 54.6475**, and the grayscale version is **73.9915, 77.8448, 84.7730**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **35.9438, 47.5201, 52.0776** is the 20% darker color. If you saturate the color by 10%, you get **62.5674, 83.6227, 90.7503**, and if you desaturate by 10%, it is **75.2344, 89.9849, 98.9255**.

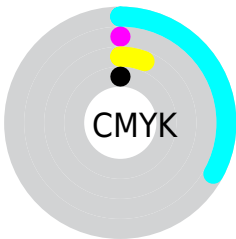
Distribution



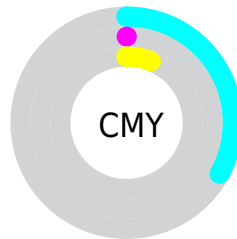
- Red (67%)
- Green (100%)
- Blue (94%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3532, 86.5227, 94.7593 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 68.3532, 86.5227, 94.7593 by changing the saturation by 10% instead.

68.3532, 86.5227,
94.7593

68.3532, 86.5227,
94.7593

444.1035,
516.6532, 564.3588

50.4599, 65.1003,
71.3389

115.8964,
142.4987, 155.9247

35.9982, 47.5424,
52.1353

146.2770,
177.8210, 194.5068

24.6029, 33.4647,
36.7299

181.5507,
218.5455, 238.9799

15.9086, 22.4826,
24.7043

222.0829,
265.0565, 289.7625

9.5499, 14.2120,
15.6399

268.2389,
317.7383, 347.2731

5.1616, 8.2682,
9.1181

320.3841,

2.3781, 4.2671,

376.9755, 411.9304

4.7204

378.8839,
443.1523, 484.1527

■ 0.8342, 1.8240,
2.0283

■ 0.0000, 0.5021,
0.5726

■ 68.3532, 86.5227,
94.7593

■ 68.3532, 86.5227,
94.7593

■ 62.5674, 83.6227,
90.7503

■ 75.2344, 89.9849,
98.9255

■ 57.8123, 81.2519,
86.8904

■ 83.2650, 94.0375,
103.2480

■ 54.0210, 79.3756,
83.1770

■ 92.4989, 98.7081,
107.7315

■ 51.1171, 77.9546,
79.6059

95.0500, 100.0000,
108.9000

■ 49.0125, 76.9435,
76.1720

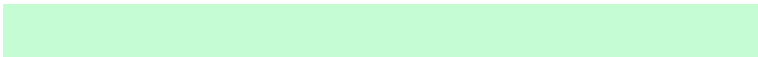
■ 47.6005, 76.2872,
72.8695

■ 46.8820, 75.9688,
70.4879

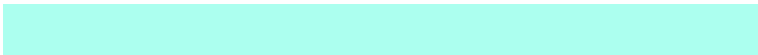
Harmonies

Analogous

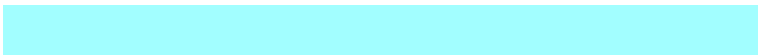
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0286, 86.5227, 75.0369



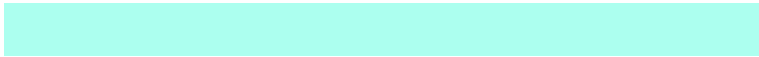
68.3532, 86.5227, 94.7593



70.2011, 86.5227, 117.4953

Triad

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



68.3532, 86.5227, 94.7593



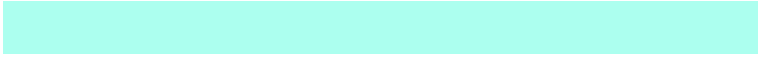
90.0103, 86.5227, 135.3753



89.6577, 86.5227, 61.9517

Complementary

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



68.3532, 86.5227, 94.7593



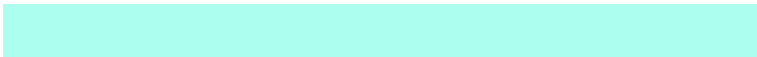
65.0702, 54.3970, 54.6475

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.



95.5759, 86.5227, 74.2217



68.3532, 86.5227, 94.7593



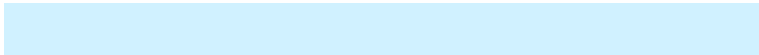
95.7883, 86.5227, 116.3956

Square

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



68.3532, 86.5227, 94.7593



82.4293, 86.5227, 143.0726



97.8845, 86.5227, 93.6599



82.0454, 86.5227, 57.9689

Rectangle

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



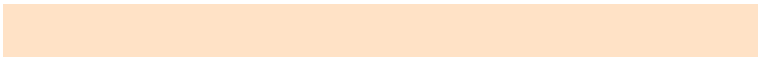
68.3532, 86.5227, 94.7593



73.2530, 86.5227, 130.8492



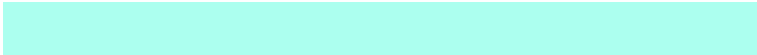
97.8845, 86.5227, 93.6599



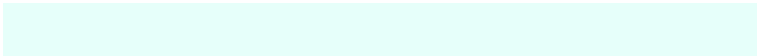
91.9276, 86.5227, 65.1389

Sweetspot

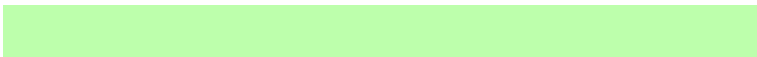
The Sweet Spot groups the original color and five complimentary colors.



68.3541, 86.5231, 94.7608



85.5015, 95.1678, 104.3750



64.0944, 85.2667, 52.1111



18.0347, 20.2353, 22.2072



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

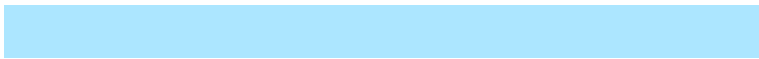
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3541, 86.5231, 94.7608



64.4991, 84.5894, 92.1557



63.3887, 72.6407, 105.2879



18.3959, 20.4179, 22.3877



24.5503, 39.7167, 37.1126



2.4271, 3.8818, 3.8070

Inverse Universe

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



65.0702, 54.3970, 54.6475



60.7634, 47.9703, 46.4698



68.6306, 64.1266, 47.7915



18.1524, 18.0443, 19.4199



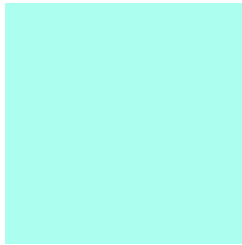
21.8806, 11.2415, 2.7557



2.1663, 1.1089, 0.4570

Previews

White Background



This preview shows how the XYZ color 68.3532, 86.5227, 94.7593 looks on a white background.

Color Contrast Check

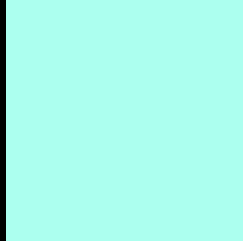
Large Text (above 18pt) WCAG AA × Fail

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 68.3532, 86.5227, 94.7593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

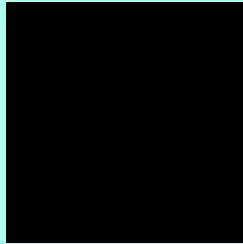
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3532, 86.5227, 94.7593

Background



This preview shows how black text looks on a background with the XYZ color 68.3532, 86.5227, 94.7593.

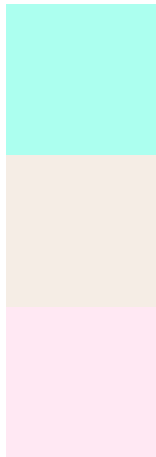


This preview shows how white text looks on a background with the XYZ color 68.3532, 86.5227,

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

68.3532, 86.5227, 94.7593

Protanopia

82.0832, 85.6380, 86.3323

Deuteranopia

86.2743, 85.4443, 96.7393



Tritanopia

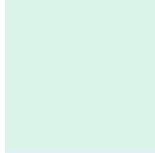
77.2647, 85.7703, 107.0908

Trichromacy



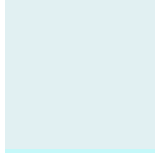
Original Color

68.3532, 86.5227, 94.7593



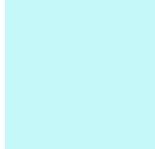
Protanomaly

75.9721, 85.4900, 89.5879



Deuteranomaly

78.2384, 84.7385, 96.2370



Tritanomaly

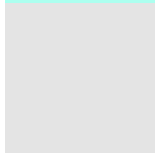
73.6922, 85.8447, 102.3082

Monochromacy



Original Color

68.3532, 86.5227, 94.7593



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.1524, 80.3852, 88.1097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3532, 86.5227, 94.7593 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(172, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 68.3532, 86.5227, 94.7593 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(172, 255, 239) }
```


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

```
.border{ border-color:rgb(172, 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(172, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3532, 86.5227, 94.7593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 239) }
```

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

```
.background{ background-color: rgb(172,  
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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