

Converting Colors

XYZ(84.0017, 105.8127,
165.8716)

Have a look what the booklet for
XYZ(84.0017, 105.8127, 165.8716)
contains.

XYZ(64.9653, 84.4908, 107.4921)	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(64.9653, 84.4908,
107.4921)**

Conversions

Conversions Part 1

Format	Color
Hex	8EFFFF
RGB	142, 255, 255
RGB Percent	56%, 100%, 100%
CMY	0.4431, 0.0000, 0.0000
CMYK	0.44, 0.00, 0.00, 0.00
HSL	180°, 100%, 78%
HSV	180°, 44%, 100%
XYZ	64.9653, 84.4908, 107.4921
YIQ	221.2130, -67.3480, -23.9560

Conversions

Conversions Part 2

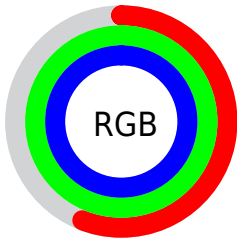
Format	Color
RYB	142, 199, 255
Decimal	9371647
CIELab	93.66, -32.25, -10.07
CIELCh	94, 33.785, 197.342
Yxy	84.4908, 0.2528, 0.3288
Android (android.graphics.Color)	4287561727 (0xFF8EFFFF)
YUV	221.2130, 16.6570, -69.4698
Hunter-Lab	91.9189, -34.7000, -4.9919

Details

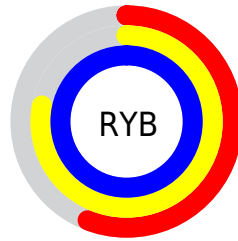
The XYZ color **64.9653, 84.4908, 107.4921** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.7965, 42.5605, 30.8672**, and the grayscale version is **68.7976, 72.3804, 78.8223**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **33.7805, 46.2147, 60.5660** is the 20% darker color. If you saturate the color by 10%, you get **61.0797, 82.4877, 107.3102**, and if you desaturate by 10%, it is **69.8532, 87.0106, 107.7208**.

Distribution



- Red (56%)
- Green (100%)
- Blue (100%)



- Red (56%)
- Yellow (78%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.9653, 84.4908, 107.4921 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 64.9653, 84.4908, 107.4921 by changing the saturation by 10% instead.

 64.9653, 84.4908,
107.4921


 64.9653, 84.4908,
107.4921


432.2144,
509.9416, 605.4058

 47.6975, 63.4207,
81.9204


 111.0660,
139.6615, 173.5569

 33.7977, 46.1817,
60.7645


 140.6296,
174.5310, 214.8871

 22.9004, 32.3892,
43.6058


175.0225,
214.7690, 262.3073

 14.6402, 21.6589,
30.0258

214.6101,
260.7600, 316.2359

 8.6520, 13.6065,
19.6060

259.7577,
312.8884, 377.0915

 4.5702, 7.8475,
11.9277

310.8308,

 2.0295, 3.9975,

371.5385, 445.2927

6.5725

368.1946,
437.0948, 521.2579

■ 0.6504, 1.6722,
3.1219

■ 0.0000, 0.4055,
1.1572

■ 64.9653, 84.4908,
107.4921

■ 64.9653, 84.4908,
107.4921

■ 61.0797, 82.4877,
107.3102

■ 69.8532, 87.0106,
107.7208

■ 58.1248, 80.9644,
107.1719

■ 75.8035, 90.0781,
107.9993

■ 56.0235, 79.8811,
107.0736

■ 82.8746, 93.7234,
108.3302

■ 54.6853, 79.1912,
107.0110

■ 91.1199, 97.9739,
108.7161

■ 53.9990, 78.8374,
106.9788

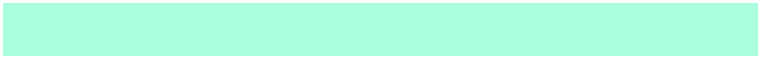
95.0500, 100.0000,
108.9000

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

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



64.6496, 84.4908, 81.6071



64.9653, 84.4908, 107.4921



69.1938, 84.4908, 133.2369

Triad

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



64.9653, 84.4908, 107.4921



93.6464, 84.4908, 129.6224



84.1387, 84.4908, 51.7812

Complementary

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



64.9653, 84.4908, 107.4921



55.7965, 42.5605, 30.8672

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.



92.5484, 84.4908, 60.2866



64.9653, 84.4908, 107.4921



98.3056, 84.4908, 103.2314

Square

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



64.9653, 84.4908, 107.4921



85.5486, 84.4908, 147.5545



97.8894, 84.4908, 78.0659



75.2820, 84.4908, 52.4955

Rectangle

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



64.9653, 84.4908, 107.4921



73.8535, 84.4908, 145.4211



97.8894, 84.4908, 78.0659



87.1238, 84.4908, 53.5792

Sweetspot

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



64.9661, 84.4912, 107.4921



83.8883, 94.2459, 108.3776



51.7990, 79.2243, 38.1548



17.5930, 19.9856, 23.1803



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.



64.9661, 84.4912, 107.4921



61.5349, 82.7224, 107.3315



49.5152, 53.5894, 102.3418



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



68.9637, 47.8274, 100.2046



65.9884, 41.8769, 99.2128



66.4319, 63.8313, 34.4124



18.7928, 18.3004, 22.7918



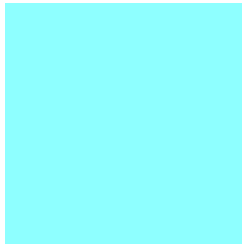
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 64.9653, 84.4908, 107.4921 looks on a white background.

Color Contrast Check

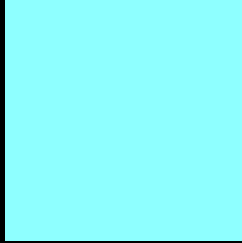
Large Text (above 18pt) WCAG AA × Fail

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 64.9653, 84.4908, 107.4921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

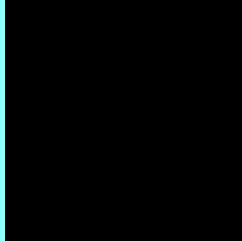
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9653, 84.4908, 107.4921

Background



This preview shows how black text looks on a background with the XYZ color 64.9653, 84.4908, 107.4921.

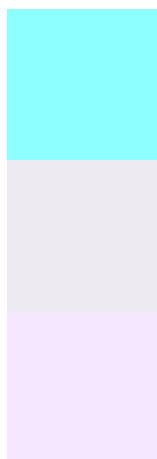


This preview shows how white text looks on a background with the XYZ color 64.9653, 84.4908,

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

64.9653, 84.4908, 107.4921

Protanopia

80.3749, 83.2610, 95.8392

Deuteranopia

83.9341, 83.6049, 106.3213



Tritanopia

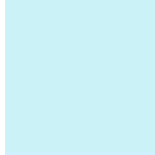
73.4266, 83.7917, 106.9112

Trichromacy



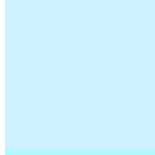
Original Color

64.9653, 84.4908, 107.4921



Protanomaly

72.8978, 82.7762, 100.1310



Deuteranomaly

74.9422, 82.8056, 106.6409



Tritanomaly

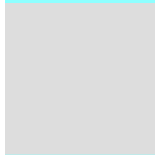
69.7489, 83.7019, 107.0877

Monochromacy



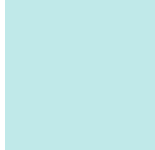
Original Color

64.9653, 84.4908, 107.4921



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.5851, 75.3675, 88.1815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9653, 84.4908, 107.4921 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(142, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 255)  
}
```

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(142, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.9653, 84.4908, 107.4921 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(142, 255, 255) }
```


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

```
.border{ border-color:rgb(142, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9653, 84.4908, 107.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 255) }
```

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

```
.background{ background-color: rgb(142,  
255, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor