

Converting Colors

XYZ(48.8670, 65.6212,
101.0982)

Have a look what the booklet for
XYZ(48.8670, 65.6212, 101.0982)
contains.

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Color

**XYZ(48.8902, 65.6127,
101.3545)**

Conversions

Conversions Part 1

Format	Color
Hex	4BE7FB
RGB	75, 231, 251
RGB Percent	29%, 91%, 98%
CMY	0.7058, 0.0941, 0.0157
CMYK	0.70, 0.08, 0.00, 0.02
HSL	187°, 96%, 64%
HSV	187°, 70%, 98%
XYZ	48.8902, 65.6127, 101.3545
YIQ	186.6360, -99.3960, -26.8520

Conversions

Conversions Part 2

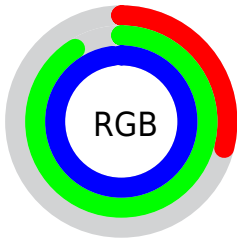
Format	Color
RYB	75, 158, 251
Decimal	4974587
CIELab	84.80, -33.86, -21.49
CIELCh	85, 40.102, 212.403
Yxy	65.6127, 0.2265, 0.3040
Android (android.graphics.Color)	4283164667 (0xFF4BE7FB)
YUV	186.6360, 31.7315, -97.9048
Hunter-Lab	81.0017, -34.0156, -17.4863

Details

The XYZ color **48.8902, 65.6127, 101.3545** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.1478, 29.2040, 9.9162**, and the grayscale version is **46.8991, 49.3415, 53.7329**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **25.0676, 34.5550, 56.3875** is the 20% darker color. If you saturate the color by 10%, you get **46.5089, 63.2109, 101.0177**, and if you desaturate by 10%, it is **52.0625, 68.4442, 101.7351**.

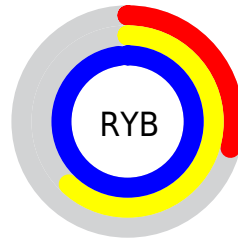
Distribution



Red (29%)

Green (91%)

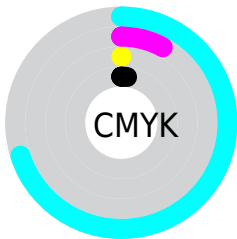
Blue (98%)



Red (29%)

Yellow (62%)

Blue (98%)

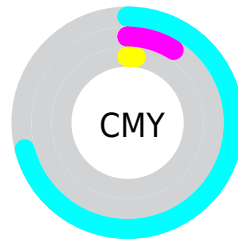


Cyan (70%)

Magenta (8%)

Yellow (0%)

Black (2%)



Cyan (71%)


Magenta (9%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8902, 65.6127, 101.3545 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 48.8902, 65.6127, 101.3545 by changing the saturation by 10% instead.


 48.8902, 65.6127,
101.3545


 48.8902, 65.6127,
101.3545


372.8340,
444.9905, 585.8104


 34.7466, 47.9581,
76.8090


 87.7301, 112.9303,
165.0854


 23.6333, 33.7937,
56.5855


 113.1570,
143.3620, 205.1080

 15.1851, 22.7351,
40.2654


 143.0757,
178.8216, 251.1266

 9.0366, 14.3981,
27.4302

 177.8516,
219.6933, 303.5599

 4.8223, 8.3980,
17.6613

217.8501,
266.3617, 362.8264

 2.1771, 4.3507,
10.5402

263.4364,

 0.7306, 1.8716,

319.2111, 429.3446

5.6483

314.9759,
378.6259, 503.5331

■ 0.0000, 0.5312,
2.5671

■ 0.0000, 0.0000,
0.8754

■ 48.8902, 65.6127,
101.3545

■ 48.8902, 65.6127,
101.3545

■ 46.5089, 63.2109,
101.0177

■ 52.0625, 68.4442,
101.7351


■ 44.8152, 61.1815,
100.7152


■ 56.1010, 71.7404,
102.1584


■ 43.6616, 59.4627,
100.4442


■ 61.0788, 75.5402,
102.6295


■ 67.0598, 79.8768,
103.1513

 74.1020, 84.7801,
103.7266

 82.2590, 90.2779,
104.3579

 91.5808, 96.3960,
105.0475

 94.0378, 98.9952,
105.4196

 94.4128, 99.7451,
105.5446

Harmonies

Analogous

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



46.6522, 65.6127, 73.5351



48.8902, 65.6127, 101.3545



54.7008, 65.6127, 124.8425

Triad

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



48.8902, 65.6127, 101.3545



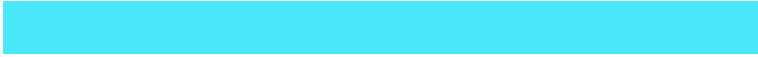
78.9523, 65.6127, 96.8865



61.6416, 65.6127, 32.5462

Complementary

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



48.8902, 65.6127, 101.3545



45.1478, 29.2040, 9.9162

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.



70.7091, 65.6127, 35.9648



48.8902, 65.6127, 101.3545



81.2556, 65.6127, 69.3872

Square

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



48.8902, 65.6127, 101.3545



72.0817, 65.6127, 121.8579



78.1079, 65.6127, 48.0815



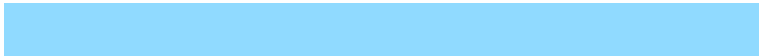
53.5595, 65.6127, 37.2932

Rectangle

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



48.8902, 65.6127, 101.3545



60.1079, 65.6127, 132.5281



78.1079, 65.6127, 48.0815



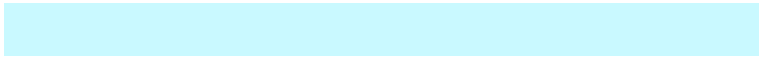
64.6737, 65.6127, 32.7780

Sweetspot

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



48.8923, 65.6151, 101.3561



76.1079, 87.3988, 107.4661



39.3589, 71.2751, 21.9490



15.8403, 18.3966, 22.9660



0.0000, 0.0000, 0.0000



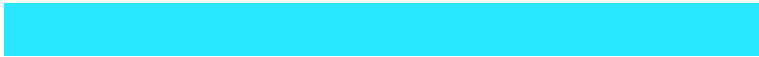
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8923, 65.6151, 101.3561



47.4373, 64.6488, 104.5860



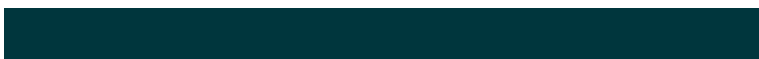
30.5033, 28.8372, 95.2264



17.5875, 19.2519, 22.1743



23.0187, 31.3929, 52.8198



2.1783, 3.0003, 4.9075

Inverse Universe

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



56.7254, 31.3131, 78.6580



56.4018, 28.5824, 77.8938



57.4985, 53.9054, 14.0331



17.9031, 17.4886, 21.3454



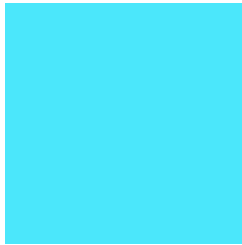
27.9108, 13.5800, 37.8342



2.6084, 1.2671, 3.6274

Previews

White Background



This preview shows how the XYZ color 48.8902, 65.6127, 101.3545 looks on a white background.

Color Contrast Check

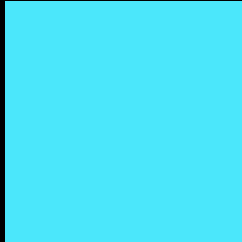
Large Text (above 18pt) WCAG AA × Fail

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 48.8902, 65.6127, 101.3545 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 48.8902, 65.6127, 101.3545

Background



This preview shows how black text looks on a background with the XYZ color 48.8902, 65.6127, 101.3545.

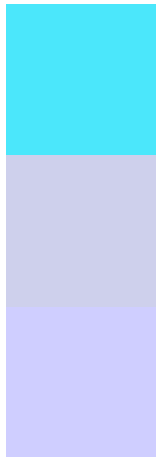


This preview shows how white text looks on a background with the XYZ color 48.8902, 65.6127,

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

48.8902, 65.6127, 101.3545

Protanopia

63.1498, 64.2897, 88.4377

Deuteranopia

65.8534, 64.6280, 103.6113



Tritanopia

48.6553, 65.5098, 100.5227

Trichromacy



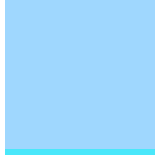
Original Color

48.8902, 65.6127, 101.3545



Protanomaly

54.5336, 62.7317, 92.4533



Deuteranomaly

56.4879, 63.1276, 102.9735



Tritanomaly

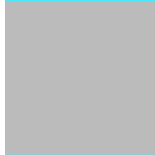
48.6553, 65.5098, 100.5227

Monochromacy



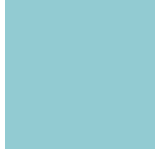
Original Color

48.8902, 65.6127, 101.3545



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.8429, 53.4760, 68.9312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8902, 65.6127, 101.3545 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(75, 231, 251)` looks like.

```
.text, #text, p{  
    color:rgb(75, 231, 251)  
}
```

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(75, 231, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 231, 251) }
```

Border

The CSS property to change the border of an element to XYZ 48.8902, 65.6127, 101.3545 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(75, 231, 251) }
```


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

```
.border{ border-color:rgb(75, 231, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 231, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 231, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 231, 251);  
box-shadow:4px 4px 4px 4px rgb(75, 231,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8902, 65.6127, 101.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 231, 251) }
```

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

```
.background{ background-color: rgb(75, 231,  
251) }
```

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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