

Converting Colors

XYZ(53.4249, 65.2418,
132.0026)

Have a look what the booklet for
XYZ(53.4249, 65.2418, 132.0026)
contains.

XYZ(48.1480, 63.1086, 104.2512)	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(48.1480, 63.1086,
104.2512)**

Conversions

Conversions Part 1

Format	Color
Hex	4BE2FF
RGB	75, 226, 255
RGB Percent	29%, 89%, 100%
CMY	0.7058, 0.1137, 0.0000
CMYK	0.71, 0.11, 0.00, 0.00
HSL	190°, 100%, 65%
HSV	190°, 71%, 100%
XYZ	48.1480, 63.1086, 104.2512
YIQ	184.1570, -99.3050, -22.9930

Conversions

Conversions Part 2

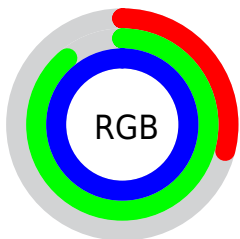
Format	Color
RYB	75, 157, 255
Decimal	4973311
CIELab	83.50, -30.30, -25.57
CIELCh	83, 39.646, 220.167
Yxy	63.1086, 0.2234, 0.2928
Android (android.graphics.Color)	4283163391 (0xFF4BE2FF)
YUV	184.1570, 34.9256, -95.7307
Hunter-Lab	79.4409, -30.8353, -22.1983

Details

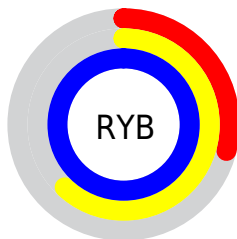
The XYZ color **48.1480, 63.1086, 104.2512** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.4616, 31.6705, 10.2702**, and the grayscale version is **45.5017, 47.8713, 52.1318**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **24.5678, 32.8267, 58.4674** is the 20% darker color. If you saturate the color by 10%, you get **45.4349, 60.0726, 103.8082**, and if you desaturate by 10%, it is **51.6901, 66.6143, 104.7412**.

Distribution



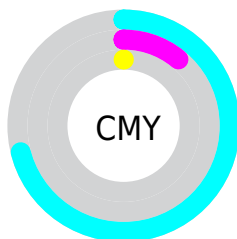
- Red (29%)
- Green (89%)
- Blue (100%)



- Red (29%)
- Yellow (62%)
- Blue (100%)



- Cyan (71%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1480, 63.1086, 104.2512 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 48.1480, 63.1086, 104.2512 by changing the saturation by 10% instead.

48.1480, 63.1086,
104.2512

48.1480, 63.1086,
104.2512

369.9513,
435.9635, 595.1008

34.1558, 45.9291,
79.2190

86.6331, 109.3262,
169.0898

23.1768, 32.1899,
58.5535

111.8567,
139.1330, 209.7333

14.8455, 21.5066,
41.8362

141.5549,
173.9177, 256.4176

8.7967, 13.4948,
28.6484

176.0930,
214.0647, 309.5613

4.6648, 7.7701,
18.5717

215.8363,
259.9584, 369.5829

2.0847, 3.9482,
11.1876

261.1502,

0.6809, 1.6446,

311.9832, 436.9010

6.0774

312.4001,
370.5234, 511.9341

■ 0.0000, 0.3874,
2.8226

■ 0.0000, 0.0000,
1.0048

■ 48.1480, 63.1086,
104.2512

■ 48.1480, 63.1086,
104.2512

■ 45.4349, 60.0726,
103.8082

■ 51.6901, 66.6143,
104.7412

■ 43.4432, 57.4467,
103.4064

■ 56.1413, 70.6272,
105.2812

■ 42.0760, 55.2720,
103.0587

■ 61.5777, 75.1884,
105.8751

■ 68.0661, 80.3325,
106.5260

■ 75.6673, 86.0910,
107.2369

■ 84.4372, 92.4931,
108.0104

94.4281, 99.5659,
108.8490

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



45.0541, 63.1086, 77.4713



48.1480, 63.1086, 104.2512



54.5141, 63.1086, 123.9772

Triad

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



48.1480, 63.1086, 104.2512



77.0308, 63.1086, 86.1786



57.0943, 63.1086, 31.6803

Complementary

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



48.1480, 63.1086, 104.2512



47.4616, 31.6705, 10.2702

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.



65.8055, 63.1086, 32.9366



48.1480, 63.1086, 104.2512



77.8912, 63.1086, 60.6438

Square

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



48.1480, 63.1086, 104.2512



71.3648, 63.1086, 111.9274



73.6136, 63.1086, 42.3389



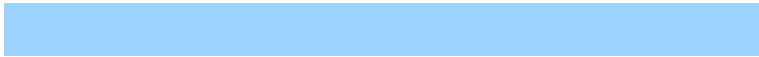
49.8803, 63.1086, 38.3601

Rectangle

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



48.1480, 63.1086, 104.2512



60.0312, 63.1086, 128.2122



73.6136, 63.1086, 42.3389



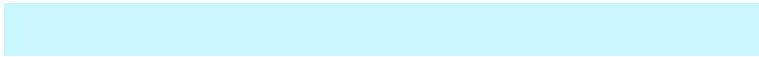
59.9344, 63.1086, 31.2361

Sweetspot

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



48.1498, 63.1108, 104.2516



75.3279, 85.8386, 107.2060



41.0613, 73.9758, 24.6876



15.6524, 18.0207, 22.9033



0.0000, 0.0000, 0.0000



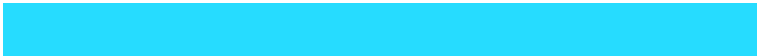
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1498, 63.1108, 104.2516



44.4730, 58.8657, 103.6260



30.0421, 26.8955, 98.2157



18.2910, 19.9537, 23.1374



22.0786, 29.0667, 53.8814



2.2134, 2.9575, 5.2675

Inverse Universe

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



57.4848, 31.7849, 75.0592



54.8701, 27.8339, 70.2468



61.3609, 59.4692, 14.9033



18.6596, 18.2471, 22.0903



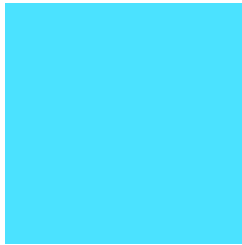
27.9324, 13.6623, 34.6243



2.7518, 1.3431, 3.5405

Previews

White Background



This preview shows how the XYZ color 48.1480, 63.1086, 104.2512 looks on a white background.

Color Contrast Check

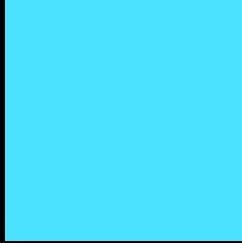
Large Text (above 18pt) WCAG AA × Fail

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 48.1480, 63.1086, 104.2512 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 48.1480, 63.1086, 104.2512

Background



This preview shows how black text looks on a background with the XYZ color 48.1480, 63.1086, 104.2512.

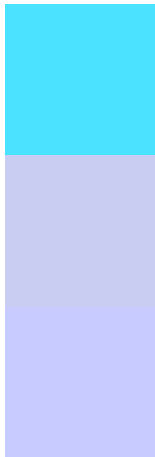


This preview shows how white text looks on a background with the XYZ color 48.1480, 63.1086,

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

48.1480, 63.1086, 104.2512

Protanopia

61.5279, 62.2929, 91.9999

Deuteranopia

62.9591, 62.0740, 103.2709



Tritanopia

46.5579, 62.8572, 96.8676

Trichromacy



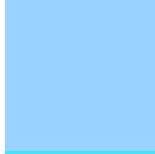
Original Color

48.1480, 63.1086, 104.2512



Protanomaly

53.9464, 61.2109, 96.1604



Deuteranomaly

54.6707, 60.6786, 103.4384



Tritanomaly

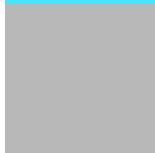
47.1665, 63.1173, 99.3195

Monochromacy



Original Color

48.1480, 63.1086, 104.2512



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.5579, 51.4293, 68.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1480, 63.1086, 104.2512 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, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 226, 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(75, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.1480, 63.1086, 104.2512 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, 226, 255) }
```


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

```
.border{ border-color:rgb(75, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1480, 63.1086, 104.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 226, 255) }
```

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

```
.background{ background-color: rgb(75, 226,  
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