

Converting Colors

XYZ(48.7486, 63.5032,
104.2958)

Have a look what the booklet for
XYZ(48.7486, 63.5032, 104.2958)
contains.

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Color

**XYZ(48.7260, 63.4066,
104.2783)**

Conversions

Conversions Part 1

Format	Color
Hex	52E2FF
RGB	82, 226, 255
RGB Percent	32%, 89%, 100%
CMY	0.6784, 0.1137, 0.0000
CMYK	0.68, 0.11, 0.00, 0.00
HSL	190°, 100%, 66%
HSV	190°, 68%, 100%
XYZ	48.7260, 63.4066, 104.2783
YIQ	186.2500, -95.1330, -21.5090

Conversions

Conversions Part 2

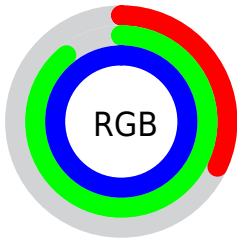
Format	Color
RYB	82, 161, 255
Decimal	5432063
CIELab	83.66, -29.38, -25.32
CIElCh	84, 38.786, 220.753
Yxy	63.4066, 0.2252, 0.2930
Android (android.graphics.Color)	4283622143 (0xFF52E2FF)
YUV	186.2500, 33.8937, -91.4273
Hunter-Lab	79.6283, -30.1220, -21.9043

Details

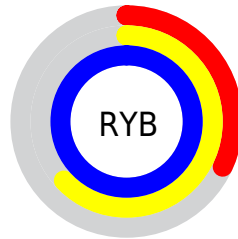
The XYZ color **48.7260, 63.4066, 104.2783** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **48.4485, 33.2396, 11.8470**, and the grayscale version is **46.6687, 49.0991, 53.4689**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **24.5678, 32.8267, 58.4674** is the 20% darker color. If you saturate the color by 10%, you get **45.7589, 60.1743, 103.8108**, and if you desaturate by 10%, it is **52.5490, 67.1258, 104.7947**.

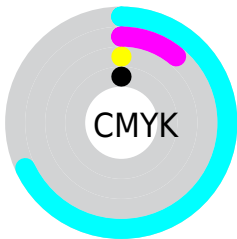
Distribution



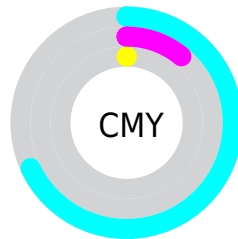
- Red (32%)
- Green (89%)
- Blue (100%)



- Red (32%)
- Yellow (63%)
- Blue (100%)



- Cyan (68%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7260, 63.4066, 104.2783 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 48.7260, 63.4066, 104.2783 by changing the saturation by 10% instead.


 48.7260, 63.4066,
104.2783

 48.7260, 63.4066,
104.2783


372.1975,
437.0436, 595.1874


 34.6158, 46.1702,
79.2416


 87.4875, 109.7559,
169.1272


 23.5322, 32.3802,
58.5720


 112.8696,
139.6376, 209.7764

 15.1098, 21.6520,
41.8509


 142.7397,
174.5032, 256.4670

 8.9833, 13.6015,
28.6599

 177.4631,
214.7371, 309.6173

 4.7873, 7.8440,
18.5803

217.4052,
260.7237, 369.6459

 2.1565, 3.9953,
11.1937

262.9315,

 0.7197, 1.6709,

312.8474, 436.9715

6.0815

314.4071,
371.4926, 512.0124

■ 0.0000, 0.4047,
2.8251

■ 0.0000, 0.0000,
1.0060

■ 48.7260, 63.4066,
104.2783

■ 48.7260, 63.4066,
104.2783

■ 45.7589, 60.1743,
103.8108

■ 52.5490, 67.1258,
104.7947

■ 43.5456, 57.3719,
103.3865

■ 57.3046, 71.3678,
105.3628

■ 41.9586, 54.9349,
102.9998

■ 63.0667, 76.1723,
105.9865

■ 41.6578, 54.4355,
102.9193

■ 69.9002, 81.5730,
106.6688

■ 77.8645, 87.6009,
107.4125

■ 87.0145, 94.2845,
108.2203

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.



45.6084, 63.4066, 78.1348



48.7260, 63.4066, 104.2783



55.0433, 63.4066, 123.2548

Triad

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



48.7260, 63.4066, 104.2783



77.0298, 63.4066, 85.6261



57.2712, 63.4066, 32.5399

Complementary

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



48.7260, 63.4066, 104.2783



48.4485, 33.2396, 11.8470

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.



65.8092, 63.4066, 33.6374



48.7260, 63.4066, 104.2783



77.7692, 63.4066, 60.6781

Square

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



48.7260, 63.4066, 104.2783



71.5636, 63.4066, 110.8578



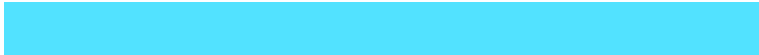
73.4979, 63.4066, 42.7948



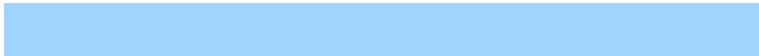
50.2249, 63.4066, 39.3330

Rectangle

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



48.7260, 63.4066, 104.2783



60.4809, 63.4066, 127.1346



73.4979, 63.4066, 42.7948



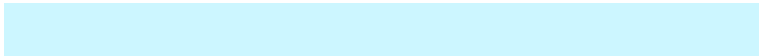
60.0517, 63.4066, 32.0476

Sweetspot

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



48.7278, 63.4088, 104.2786



76.0451, 86.2438, 107.2465



42.1010, 74.4585, 27.1462



15.7877, 18.0916, 22.9099



0.0000, 0.0000, 0.0000



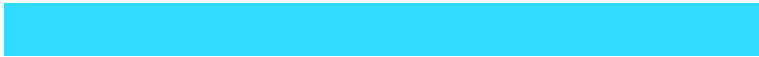
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7278, 63.4088, 104.2786



44.9828, 59.2445, 103.6722



30.8609, 27.6751, 98.3230



18.2805, 19.9326, 23.1338



21.8628, 28.6352, 53.8094



2.1943, 2.9194, 5.2611

Inverse Universe

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



57.9860, 32.7872, 75.2263



55.2839, 28.5983, 70.5792



62.8061, 61.9549, 16.6328



18.6542, 18.2450, 22.0622



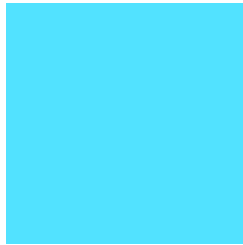
27.8235, 13.6187, 34.0508



2.7422, 1.3393, 3.4899

Previews

White Background



This preview shows how the XYZ color 48.7260, 63.4066, 104.2783 looks on a white background.

Color Contrast Check

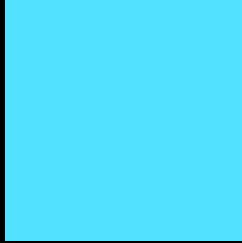
Large Text (above 18pt) WCAG AA × Fail

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 48.7260, 63.4066, 104.2783 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 48.7260, 63.4066, 104.2783

Background



This preview shows how black text looks on a background with the XYZ color 48.7260, 63.4066, 104.2783.

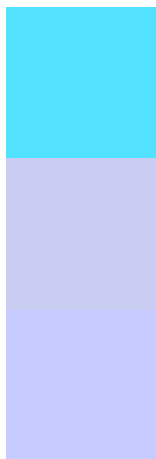


This preview shows how white text looks on a background with the XYZ color 48.7260, 63.4066,

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

48.7260, 63.4066, 104.2783

Protanopia

61.5279, 62.2929, 91.9999

Deuteranopia

63.2254, 62.2112, 103.2834



Tritanopia

47.1642, 63.1698, 96.8959

Trichromacy



Original Color

48.7260, 63.4066, 104.2783



Protanomaly

54.3334, 61.4104, 96.1785



Deuteranomaly

55.2489, 60.9766, 103.4655



Tritanomaly

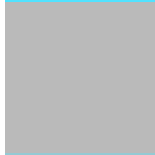
47.7924, 63.4400, 99.3487

Monochromacy



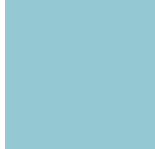
Original Color

48.7260, 63.4066, 104.2783



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.8573, 52.7723, 69.4499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7260, 63.4066, 104.2783 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(82, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.7260, 63.4066, 104.2783 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(82, 226, 255) }
```


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

```
.border{ border-color:rgb(82, 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(82, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7260, 63.4066, 104.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 226, 255) }
```

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

```
.background{ background-color: rgb(82, 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](#).

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