

Converting Colors

XYZ(48.4186, 64.0560,
104.4199)

Have a look what the booklet for
XYZ(48.4186, 64.0560, 104.4199)
contains.

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Color

**XYZ(48.3919, 64.0464,
104.4194)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 47E4FF |
| RGB | 71, 228, 255 |
| RGB Percent | 28%, 89%, 100% |
| CMY | 0.7215, 0.1059, 0.0000 |
| CMYK | 0.72, 0.11, 0.00, 0.00 |
| HSL | 189°, 100%, 64% |
| HSV | 189°, 72%, 100% |
| XYZ | 48.3919, 64.0464, 104.4194 |
| YIQ | 184.1350, -102.2390, -24.8870 |

Conversions

Conversions Part 2

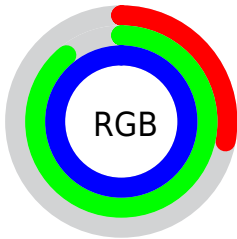
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 71, 156, 255 |
| Decimal | 4711679 |
| CIE _{Lab} | 83.99, -31.74, -24.83 |
| CIE _{LCh} | 84, 40.298, 218.040 |
| Yxy | 64.0464, 0.2232, 0.2953 |
| Android (android.graphics.Color) | 4282901759 (0xFF47E4FF) |
| YUV | 184.1350, 34.9364, -99.2194 |
| Hunter-Lab | 80.0290, -32.1154, -21.3395 |

Details

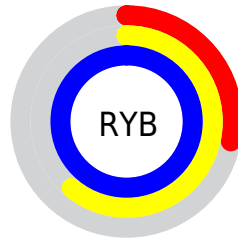
The XYZ color **48.3919, 64.0464, 104.4194** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.7462, 30.4521, 9.3773**, and the grayscale version is **45.4907, 47.8598, 52.1193**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **24.9456, 33.5823, 58.5933** is the 20% darker color. If you saturate the color by 10%, you get **45.8809, 61.2416, 104.0104**, and if you desaturate by 10%, it is **51.7128, 67.3044, 104.8732**.

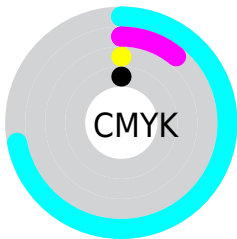
Distribution



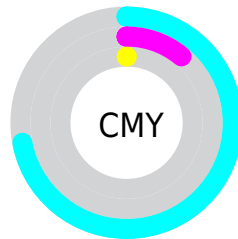
- Red (28%)
- Green (89%)
- Blue (100%)



- Red (28%)
- Yellow (61%)
- Blue (100%)



- Cyan (72%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3919, 64.0464, 104.4194 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 48.3919, 64.0464, 104.4194 by changing the saturation by 10% instead.


 48.3919, 64.0464,
104.4194

 48.3919, 64.0464,
104.4194


370.9002,
439.3572, 595.6379


 34.3499, 46.6883,
79.3591


 86.9938, 110.6778,
169.3220


 23.3267, 32.7893,
58.6680


 112.2844,
140.7198, 210.0013

 14.9569, 21.9651,
41.9277


 142.0552,
175.7585, 256.7240

 8.8753, 13.8312,
28.7195

 176.6716,
216.1784, 309.9087

 4.7164, 8.0034,
18.6250

216.4989,
262.3638, 369.9739

 2.1149, 4.0971,
11.2256

261.9026,

 0.6973, 1.7280,

314.6991, 437.3382

6.1027

313.2479,
373.5688, 512.4200

■ 0.0000, 0.4417,
2.8378

■ 0.0000, 0.0000,
1.0124

■ 48.3919, 64.0464,
104.4194

■ 48.3919, 64.0464,
104.4194

■ 45.8809, 61.2416,
104.0104

■ 51.7128, 67.3044,
104.8732

■ 44.0686, 58.8286,
103.6401

■ 55.9256, 71.0541,
105.3750

■ 43.0135, 57.1471,
103.3712

■ 61.1080, 75.3372,
105.9285

■ 67.3278, 80.1887,
106.5372

■ 74.6465, 85.6407,
107.2038

■ 83.1208, 91.7224,
107.9310

■ 92.8034, 98.4613,
108.7214

■ 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.



45.4836, 64.0464, 76.8016



48.3919, 64.0464, 104.4194



54.7094, 64.0464, 125.6337

Triad

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



48.3919, 64.0464, 104.4194



78.1238, 64.0464, 89.6684



58.5170, 64.0464, 31.6563

Complementary

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



48.3919, 64.0464, 104.4194



46.7462, 30.4521, 9.3773

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.



67.4856, 64.0464, 33.5029



48.3919, 64.0464, 104.4194



79.3955, 64.0464, 63.1169

Square

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



48.3919, 64.0464, 104.4194



72.0142, 64.0464, 115.7763



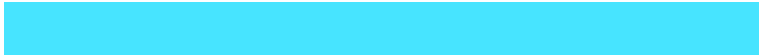
75.3371, 64.0464, 43.7332



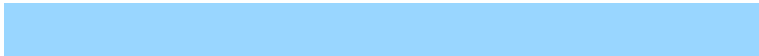
50.9466, 64.0464, 37.8762

Rectangle

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



48.3919, 64.0464, 104.4194



60.2921, 64.0464, 130.9170



75.3371, 64.0464, 43.7332



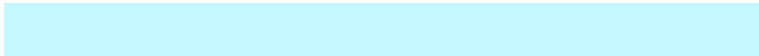
61.4600, 64.0464, 31.3900

Sweetspot

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



48.3937, 64.0486, 104.4198



74.7666, 85.7284, 107.2144



40.4498, 73.6962, 23.0494



15.5534, 18.0193, 22.9083



0.0000, 0.0000, 0.0000



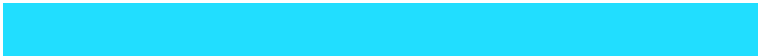
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3937, 64.0486, 104.4198



44.9224, 60.0265, 103.8264



29.8061, 26.8734, 98.2239



18.3144, 20.0003, 23.1451



22.5621, 30.0337, 54.0425



2.2560, 3.0427, 5.2817

Inverse Universe

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



57.4981, 31.3696, 76.4256



55.0330, 27.6540, 71.8595



60.2623, 57.4843, 13.8827



18.6713, 18.2518, 22.1523



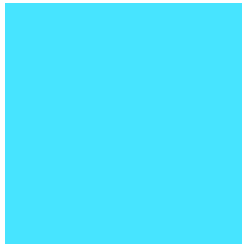
28.1765, 13.7599, 35.9094



2.7733, 1.3517, 3.6537

Previews

White Background



This preview shows how the XYZ color 48.3919, 64.0464, 104.4194 looks on a white background.

Color Contrast Check

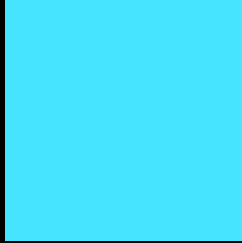
Large Text (above 18pt) WCAG AA × Fail

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 48.3919, 64.0464, 104.4194 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 48.3919, 64.0464, 104.4194

Background



This preview shows how black text looks on a background with the XYZ color 48.3919, 64.0464, 104.4194.

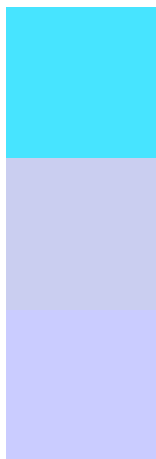


This preview shows how white text looks on a background with the XYZ color 48.3919, 64.0464,

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

48.3919, 64.0464, 104.4194

Protanopia

62.1566, 62.9904, 91.3204

Deuteranopia

64.0000, 62.9623, 103.3875



Tritanopia

47.2094, 63.9742, 98.6670

Trichromacy



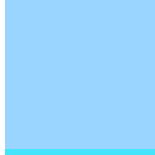
Original Color

48.3919, 64.0464, 104.4194



Protanomaly

53.8544, 61.5557, 95.4292



Deuteranomaly

55.1707, 61.6785, 103.6051



Tritanomaly

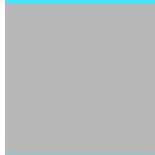
47.8158, 64.2326, 101.1448

Monochromacy



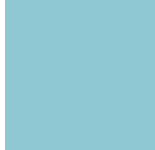
Original Color

48.3919, 64.0464, 104.4194



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.6148, 51.8013, 68.6727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3919, 64.0464, 104.4194 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(71, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 228, 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(71, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.3919, 64.0464, 104.4194 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(71, 228, 255) }
```


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

```
.border{ border-color:rgb(71, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3919, 64.0464, 104.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 228, 255) }
```

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

```
.background{ background-color: rgb(71, 228,  
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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