

Converting Colors

XYZ(48.6082, 55.2328,
102.7068)

Have a look what the booklet for
XYZ(48.6082, 55.2328, 102.7068)
contains.

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Color

**XYZ(48.7834, 55.4718,
102.7437)**

Conversions

Conversions Part 1

Format	Color
Hex	80CDFF
RGB	128, 205, 255
RGB Percent	50%, 80%, 100%
CMY	0.4980, 0.1961, 0.0000
CMYK	0.50, 0.20, 0.00, 0.00
HSL	204°, 100%, 75%
HSV	204°, 50%, 100%
XYZ	48.7834, 55.4718, 102.7437
YIQ	187.6770, -61.9420, -0.7740

Conversions

Conversions Part 2

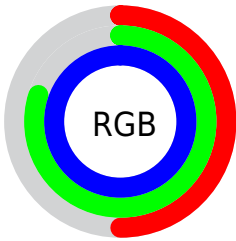
Format	Color
R _Y B	128, 176, 255
Decimal	8441343
CIE Lab	79.31, -10.50, -31.84
CIE LCh	79, 33.524, 251.744
Yxy	55.4718, 0.2357, 0.2680
Android (android.graphics.Color)	4286631423 (0xFF80CDFF)
YUV	187.6770, 33.1902, -52.3367
Hunter-Lab	74.4794, -13.4229, -29.6545

Details

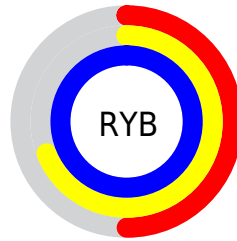
The XYZ color **48.7834, 55.4718, 102.7437** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **61.0576, 54.6606, 27.7566**, and the grayscale version is **47.4614, 49.9331, 54.3771**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.5744, 27.4037, 57.4730** is the 20% darker color. If you saturate the color by 10%, you get **43.0940, 49.0885, 101.8115**, and if you desaturate by 10%, it is **55.5938, 62.6641, 103.7730**.

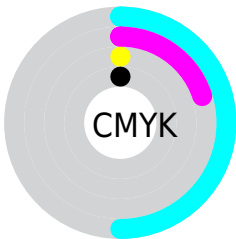
Distribution



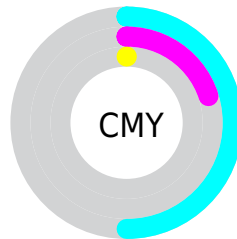
- Red (50%)
- Green (80%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7834, 55.4718, 102.7437 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 48.7834, 55.4718, 102.7437 by changing the saturation by 10% instead.

■ 48.7834, 55.4718,
102.7437

■ 48.7834, 55.4718,
102.7437

372.4201,
407.6979, 590.2755

■ 34.6615, 39.7796,
77.9643

■ 87.5723, 98.2319,
167.0072

■ 23.5675, 27.3667,
57.5284

■ 112.9701,
126.0685, 207.3284

■ 15.1361, 17.8488,
41.0174

■ 142.8572,
158.7221, 253.6673

■ 9.0019, 10.8415,
28.0129

177.5990,
196.5770, 306.4423

■ 4.7996, 5.9604,
18.0962

217.5608,
240.0177, 366.0722

■ 2.1637, 2.8210,
10.8490

263.1080,

■ 0.7235, 1.0390,

289.4284, 432.9753

5.8525

314.6060,
345.1937, 507.5702

■ 0.0000, 0.0000,
2.6882

■ 0.0000, 0.0000,
0.9375

■ 48.7834, 55.4718,
102.7437

■ 48.7834, 55.4718,
102.7437

■ 43.0940, 49.0885,
101.8115

■ 55.5938, 62.6641,
103.7730

■ 38.4443, 43.4644,
100.9710

■ 63.5890, 70.6989,
104.9025

■ 34.7486, 38.5524,
100.2177

■ 72.8337, 79.6148,
106.1362

■ 31.9036, 34.2945,
99.5457

■ 83.3859, 89.4456,
107.4776

■ 29.7456, 30.6018,
98.9467

95.0500, 100.0000,
108.9000

■ 29.7062, 30.5324,
98.9354

Harmonies

Analogous

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



43.6684, 55.4718, 88.5048



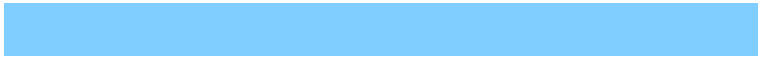
48.7834, 55.4718, 102.7437



55.3952, 55.4718, 104.3003

Triad

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



48.7834, 55.4718, 102.7437



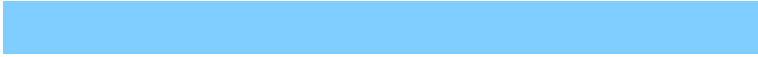
66.3977, 55.4718, 53.1838



44.5892, 55.4718, 36.8039

Complementary

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



48.7834, 55.4718, 102.7437



61.0576, 54.6606, 27.7566

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.



50.1406, 55.4718, 30.9555



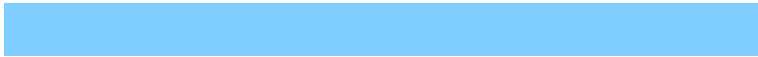
48.7834, 55.4718, 102.7437



62.9529, 55.4718, 38.9796

Square

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



48.7834, 55.4718, 102.7437



65.9561, 55.4718, 72.7350



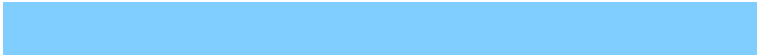
56.8719, 55.4718, 31.6568



41.3922, 55.4718, 49.5438

Rectangle

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



48.7834, 55.4718, 102.7437



59.8107, 55.4718, 97.6036



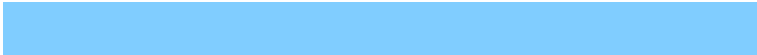
56.8719, 55.4718, 31.6568



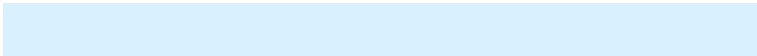
46.2210, 55.4718, 34.1023

Sweetspot

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



48.7850, 55.4738, 102.7440



77.7338, 84.2190, 106.7666



52.5676, 79.2715, 53.9619



16.1697, 17.5880, 22.7925



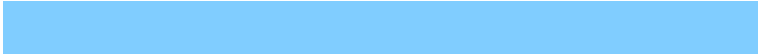
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.7850, 55.4738, 102.7440



42.9919, 48.9696, 101.7939



36.7487, 31.4012, 98.7319



17.9195, 19.2106, 23.0135



15.6718, 16.2532, 51.7458



1.6325, 1.7956, 5.0738

Inverse Universe

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



59.9798, 41.1078, 62.5329



55.8151, 34.6922, 55.2449



76.3510, 85.2473, 32.8544



18.4720, 18.1721, 21.1028



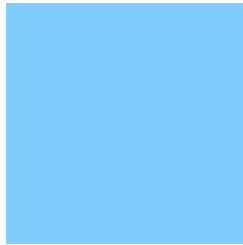
24.6986, 12.3687, 17.5952



2.4586, 1.2258, 1.9964

Previews

White Background



This preview shows how the XYZ color 48.7834, 55.4718, 102.7437 looks on a white background.

Color Contrast Check

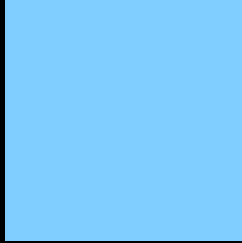
Large Text (above 18pt) WCAG AA × Fail

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 48.7834, 55.4718, 102.7437 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 48.7834, 55.4718, 102.7437

Background



This preview shows how black text looks on a background with the XYZ color 48.7834, 55.4718, 102.7437.

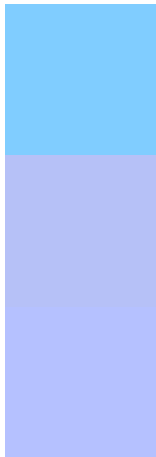


This preview shows how white text looks on a background with the XYZ color 48.7834, 55.4718,

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

48.7834, 55.4718, 102.7437

Protanopia

55.1499, 54.8004, 95.6665

Deuteranopia

56.1760, 55.1837, 102.2985



Tritanopia

44.5195, 55.5612, 81.0510

Trichromacy



Original Color

48.7834, 55.4718, 102.7437

Protanomaly

52.1219, 54.5160, 98.2180

Deuteranomaly

52.9165, 54.8339, 102.4027

Tritanomaly

45.8680, 55.3638, 88.3895

Monochromacy



Original Color

48.7834, 55.4718, 102.7437

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.9013, 51.4440, 69.7451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7834, 55.4718, 102.7437 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(128, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 205, 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(128, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.7834, 55.4718, 102.7437 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(128, 205, 255) }
```


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

```
.border{ border-color:rgb(128, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7834, 55.4718, 102.7437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 205, 255) }
```

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

```
.background{ background-color: rgb(128,  
205, 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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