

Converting Colors

XYZ(48.1191, 52.6081, 83.2413)

Have a look what the booklet for
XYZ(48.1191, 52.6081, 83.2413)
contains.

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Color

**XYZ(48.0684, 52.4175,
83.1854)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC4E7
RGB	157, 196, 231
RGB Percent	62%, 77%, 91%
CMY	0.3843, 0.2314, 0.0941
CMYK	0.32, 0.15, 0.00, 0.09
HSL	208°, 61%, 76%
HSV	208°, 32%, 91%
XYZ	48.0684, 52.4175, 83.1854
YIQ	188.3290, -34.4790, 2.6170

Conversions

Conversions Part 2

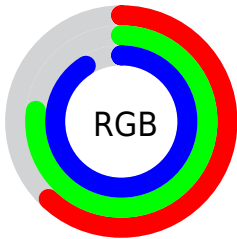
Format	Color
RYB	157, 183, 231
Decimal	10339559
CIELab	77.53, -4.78, -21.58
CIELCh	78, 22.101, 257.497
Yxy	52.4175, 0.2617, 0.2854
Android (android.graphics.Color)	4288529639 (0xFF9DC4E7)
YUV	188.3290, 21.0368, -27.4755
Hunter-Lab	72.3999, -8.1886, -17.4425

Details

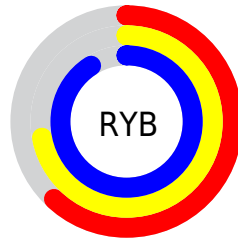
The XYZ color **48.0684, 52.4175, 83.1854** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.8914, 57.1233, 39.8746**, and the grayscale version is **47.8865, 50.3803, 54.8642**.

A 20% lighter version of the original color is **80.6159, 91.6167, 108.0426**, and **23.0044, 25.3247, 44.2331** is the 20% darker color. If you saturate the color by 10%, you get **41.6055, 45.5607, 82.2034**, and if you desaturate by 10%, it is **55.5661, 60.0766, 84.2695**.

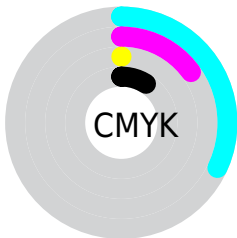
Distribution



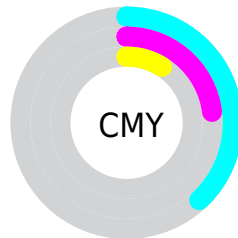
- Red (62%)
- Green (77%)
- Blue (91%)



- Red (62%)
- Yellow (72%)
- Blue (91%)



- Cyan (32%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (38%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0684, 52.4175, 83.1854 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 48.0684, 52.4175, 83.1854 by changing the saturation by 10% instead.

■ 48.0684, 52.4175,
83.1854

■ 48.0684, 52.4175,
83.1854

369.6413,
396.0463, 525.5914

■ 34.0925, 37.3380,
61.8016

■ 86.5153, 93.7467,
139.6867

■ 23.1279, 25.4693,
44.4377

■ 111.7171,
120.7651, 175.6412

■ 14.8092, 16.4270,
30.6750

141.3915,
152.5319, 217.2897

■ 8.7710, 9.8268,
20.0951

175.9040,
189.4316, 265.0508

■ 4.6480, 5.2843,
12.2794

215.6198,
231.8485, 319.3430

■ 2.0749, 2.4150,
6.8094

260.9044,

■ 0.6755, 0.8336,

280.1669, 380.5848

3.2666

312.1231,
334.7714, 449.1947

■ 0.0000, 0.0000,
1.2323

■ 0.0000, 0.0000,
0.0053

■ 48.0684, 52.4175,
83.1854

■ 48.0684, 52.4175,
83.1854

■ 41.6055, 45.5607,
82.2034

■ 55.5661, 60.0766,
84.2695

■ 36.1204, 39.4676,
81.3165

■ 64.1417, 68.5620,
85.4553

■ 31.5581, 34.1052,
80.5219

■ 73.8418, 77.9042,
86.7473

■ 27.8552, 29.4347,
79.8155

■ 84.7083, 88.1302,
88.1484

■ 24.9392, 25.4126,
79.1929

■ 90.0457, 95.7931,
89.3462

■ 22.7239, 21.9879,
78.6486

■ 91.4240, 98.5496,
89.8056

■ 21.3526, 19.6269,
78.2652

Harmonies

Analogous

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



44.4879, 52.4175, 76.1809



48.0684, 52.4175, 83.1854



52.3256, 52.4175, 82.5069

Triad

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



48.0684, 52.4175, 83.1854



58.0515, 52.4175, 50.3052



44.0214, 52.4175, 42.6422

Complementary

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



48.0684, 52.4175, 83.1854



57.8914, 57.1233, 39.8746

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.



47.3981, 52.4175, 37.4913



48.0684, 52.4175, 83.1854



55.5647, 52.4175, 41.4627

Square

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



48.0684, 52.4175, 83.1854



58.2564, 52.4175, 62.3061



51.6162, 52.4175, 37.0928



42.2424, 52.4175, 52.1429

Rectangle

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



48.0684, 52.4175, 83.1854



54.9772, 52.4175, 77.7891



51.6162, 52.4175, 37.0928



44.9982, 52.4175, 40.4071

Sweetspot

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



48.0701, 52.4196, 83.1866



82.5554, 88.0255, 107.2472



51.9446, 68.1062, 60.0080



17.3193, 18.4997, 22.9079



0.0000, 0.0000, 0.0000



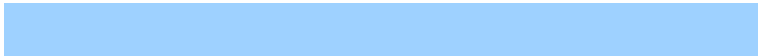
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0701, 52.4196, 83.1866



55.0126, 60.1840, 103.3249



40.8084, 37.8963, 80.7661



14.2084, 15.1382, 18.3174



12.0958, 11.2537, 43.9178



0.9867, 1.0174, 3.2763

Inverse Universe

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



54.9772, 45.0900, 58.0324



65.0137, 50.3598, 66.7263



66.9322, 75.2050, 42.8882



14.6928, 14.4943, 16.5826



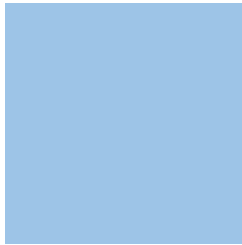
20.4989, 10.3338, 11.5222



1.5617, 0.7824, 1.0983

Previews

White Background



This preview shows how the XYZ color 48.0684, 52.4175, 83.1854 looks on a white background.

Color Contrast Check

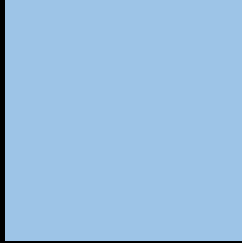
Large Text (above 18pt) WCAG AA × Fail

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 48.0684, 52.4175, 83.1854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

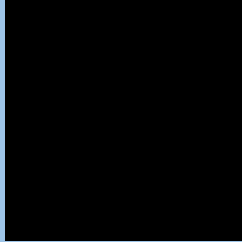
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

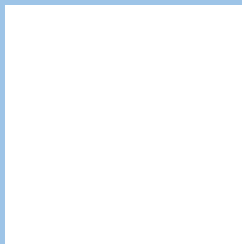
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0684, 52.4175, 83.1854

Background



This preview shows how black text looks on a background with the XYZ color 48.0684, 52.4175, 83.1854.



This preview shows how white text looks on a background with the XYZ color 48.0684, 52.4175,

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

48.0684, 52.4175, 83.1854

Protanopia

51.8299, 52.1316, 80.0037

Deuteranopia

53.4646, 52.2427, 84.3567



Tritanopia

45.8260, 52.5254, 72.0131

Trichromacy



Original Color

48.0684, 52.4175, 83.1854

Protanomaly

50.3088, 52.2994, 80.8420

Deuteranomaly

51.1104, 52.0002, 83.6872

Tritanomaly

46.5717, 52.4786, 76.0814

Monochromacy



Original Color

48.0684, 52.4175, 83.1854

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.6613, 50.9683, 64.4526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0684, 52.4175, 83.1854 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(157, 196, 231)` looks like.

```
.text, #text, p{  
    color:rgb(157, 196, 231)  
}
```

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(157, 196, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 196, 231) }
```

Border

The CSS property to change the border of an element to XYZ 48.0684, 52.4175, 83.1854 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(157, 196, 231) }
```


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

```
.border{ border-color:rgb(157, 196, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 196, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 196, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 196, 231); box-shadow:4px 4px 4px 4px rgb(157, 196, 231) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0684, 52.4175, 83.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 196, 231) }
```

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

```
.background{ background-color: rgb(157,  
196, 231) }
```

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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