

Converting Colors

XYZ(48.1680, 52.4962, 84.9236)

Have a look what the booklet for
XYZ(48.1680, 52.4962, 84.9236)
contains.

XYZ(48.1582, 52.4310, 84.6728)	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(48.1582, 52.4310,
84.6728)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC4E9
RGB	156, 196, 233
RGB Percent	61%, 77%, 91%
CMY	0.3882, 0.2314, 0.0863
CMYK	0.33, 0.16, 0.00, 0.09
HSL	209°, 64%, 76%
HSV	209°, 33%, 91%
XYZ	48.1582, 52.4310, 84.6728
YIQ	188.2580, -35.7170, 3.0270

Conversions

Conversions Part 2

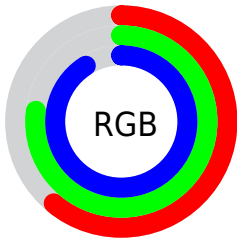
Format	Color
R_{YB}	156, 182, 233
Decimal	10274025
CIE _{Lab}	77.54, -4.57, -22.65
CIE _{LCh}	78, 23.103, 258.588
Yxy	52.4310, 0.2599, 0.2830
Android (android.graphics.Color)	4288464105 (0xFF9CC4E9)
YUV	188.2580, 22.0578, -28.2903
Hunter-Lab	72.4093, -7.9988, -18.6451

Details

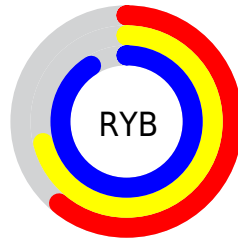
The XYZ color **48.1582, 52.4310, 84.6728** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.6758, 57.8645, 39.5303**, and the grayscale version is **47.8410, 50.3325, 54.8121**.

A 20% lighter version of the original color is **80.3267, 91.4676, 108.0291**, and **23.0883, 25.3451, 45.2702** is the 20% darker color. If you saturate the color by 10%, you get **41.6430, 45.4633, 83.6722**, and if you desaturate by 10%, it is **55.7299, 60.2255, 85.7791**.

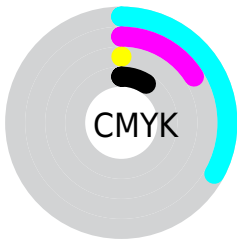
Distribution



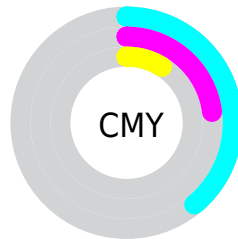
- Red (61%)
- Green (77%)
- Blue (91%)



- Red (61%)
- Yellow (71%)
- Blue (91%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (39%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1582, 52.4310, 84.6728 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 48.1582, 52.4310, 84.6728 by changing the saturation by 10% instead.

■ 48.1582, 52.4310,
84.6728

■ 48.1582, 52.4310,
84.6728

369.9910,
396.0983, 530.6611

■ 34.1640, 37.3487,
63.0225

■ 86.6482, 93.7666,
141.7860

■ 23.1831, 25.4776,
45.4183

■ 111.8746,
120.7886, 178.0860

■ 14.8502, 16.4333,
31.4417

141.5758,
152.5595, 220.1063

■ 8.7999, 9.8313,
20.6741

176.1172,
189.4634, 268.2654

■ 4.6670, 5.2872,
12.6971

215.8640,
231.8848, 322.9819

■ 2.0860, 2.4167,
7.0920

261.1817,

■ 0.6816, 0.8345,

280.2082, 384.6743

3.4404

312.4356,
334.8179, 453.7612

■ 0.0000, 0.0000,
1.3237

■ 0.0000, 0.0000,
0.0811

■ 48.1582, 52.4310,
84.6728

■ 48.1582, 52.4310,
84.6728

■ 41.6430, 45.4633,
83.6722

■ 55.7299, 60.2255,
85.7791

■ 36.1258, 39.2826,
82.7700

■ 64.4029, 68.8722,
86.9910

■ 31.5492, 33.8543,
81.9634

■ 74.2250, 78.4026,
88.3129

■ 27.8477, 29.1380,
81.2482

■ 85.2399, 88.8447,
89.7478

■ 24.9458, 25.0880,
80.6194

■ 90.7530, 96.7529,
90.9837

■ 22.7531, 21.6509,
80.0715

■ 91.7082, 98.6633,
91.3021

■ 21.5509, 19.5688,
79.7330

Harmonies

Analogous

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



44.3796, 52.4310, 77.5361



48.1582, 52.4310, 84.6728



52.6150, 52.4310, 83.6434

Triad

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



48.1582, 52.4310, 84.6728



58.4029, 52.4310, 49.6196



43.6815, 52.4310, 42.3490

Complementary

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



48.1582, 52.4310, 84.6728



58.6758, 57.8645, 39.5303

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.



47.1530, 52.4310, 36.8485



48.1582, 52.4310, 84.6728



55.7182, 52.4310, 40.5944

Square

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



48.1582, 52.4310, 84.6728



58.7119, 52.4310, 62.0818



51.5484, 52.4310, 36.2581



41.8996, 52.4310, 52.3703

Rectangle

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



48.1582, 52.4310, 84.6728



55.3705, 52.4310, 78.4933



51.5484, 52.4310, 36.2581



44.6796, 52.4310, 39.9784

Sweetspot

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



48.1599, 52.4331, 84.6740



82.4979, 87.9104, 107.2280



52.3575, 69.1497, 60.4195



17.3053, 18.4719, 22.9033



0.0000, 0.0000, 0.0000



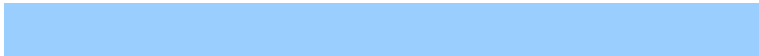
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1599, 52.4331, 84.6740



53.2555, 58.1297, 103.0210



40.7434, 37.6001, 82.2019



14.8786, 15.8436, 19.1962



12.3533, 11.3536, 45.2833



1.0663, 1.0841, 3.5879

Inverse Universe

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



55.4579, 45.0876, 58.0066



63.7705, 48.4982, 64.3856



68.0236, 76.5601, 42.6463



15.3923, 15.1848, 17.3509



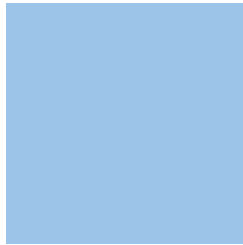
21.0907, 10.6390, 11.5447



1.7047, 0.8549, 1.1625

Previews

White Background



This preview shows how the XYZ color 48.1582, 52.4310, 84.6728 looks on a white background.

Color Contrast Check

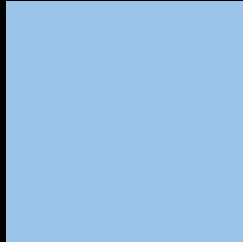
Large Text (above 18pt) WCAG AA × Fail

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 48.1582, 52.4310, 84.6728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

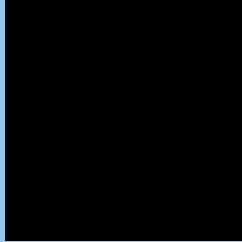
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1582, 52.4310, 84.6728

Background



This preview shows how black text looks on a background with the XYZ color 48.1582, 52.4310, 84.6728.



This preview shows how white text looks on a background with the XYZ color 48.1582, 52.4310,

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

48.1582, 52.4310, 84.6728

Protanopia

51.7296, 52.0639, 80.7217

Deuteranopia

53.5048, 52.2302, 85.8587



Tritanopia

45.6381, 52.4285, 72.0043

Trichromacy



Original Color

48.1582, 52.4310, 84.6728

Protanomaly

50.3661, 52.2967, 82.3026

Deuteranomaly

51.1692, 51.9975, 85.1815

Tritanomaly

46.5158, 52.4344, 76.7764

Monochromacy



Original Color

48.1582, 52.4310, 84.6728

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4344, 50.8513, 64.4420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1582, 52.4310, 84.6728 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(156, 196, 233)` looks like.

```
.text, #text, p{  
    color:rgb(156, 196, 233)  
}
```

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(156, 196, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 196, 233) }
```

Border

The CSS property to change the border of an element to XYZ 48.1582, 52.4310, 84.6728 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(156, 196, 233) }
```


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

```
.border{ border-color:rgb(156, 196, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 196, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 196, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 196, 233);  
box-shadow:4px 4px 4px 4px rgb(156, 196,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1582, 52.4310, 84.6728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 196, 233) }
```

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

```
.background{ background-color: rgb(156,  
196, 233) }
```

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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