

Converting Colors

XYZ(48.2959, 52.8844, 80.3385)

Have a look what the booklet for
XYZ(48.2959, 52.8844, 80.3385)
contains.

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Color

**XYZ(48.3286, 52.9521,
80.3466)**

Conversions

Conversions Part 1

Format	Color
Hex	A0C5E3
RGB	160, 197, 227
RGB Percent	63%, 77%, 89%
CMY	0.3725, 0.2274, 0.1098
CMYK	0.30, 0.13, 0.00, 0.11
HSL	207°, 54%, 76%
HSV	207°, 30%, 89%
XYZ	48.3286, 52.9521, 80.3466
YIQ	189.3570, -31.6820, 1.4860

Conversions

Conversions Part 2

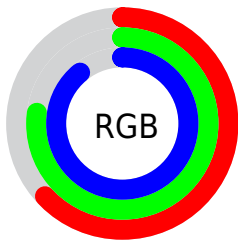
Format	Color
R _Y B	160, 184, 227
Decimal	10536419
CIE Lab	77.85, -5.43, -18.93
CIE LCh	78, 19.691, 253.983
Yxy	52.9521, 0.2661, 0.2915
Android (android.graphics.Color)	4288726499 (0xFFA0C5E3)
YUV	189.3570, 18.5580, -25.7461
Hunter-Lab	72.7682, -8.7945, -14.5270

Details

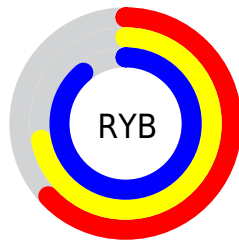
The XYZ color **48.3286, 52.9521, 80.3466** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.4380, 55.6966, 41.0351**, and the grayscale version is **48.4855, 51.0105, 55.5504**.

A 20% lighter version of the original color is **81.8107, 92.7026, 108.1892**, and **23.3323, 25.7493, 42.7701** is the 20% darker color. If you saturate the color by 10%, you get **41.9680, 46.3629, 79.4109**, and if you desaturate by 10%, it is **55.6767, 60.2839, 81.3754**.

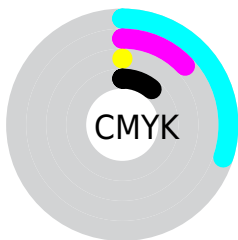
Distribution



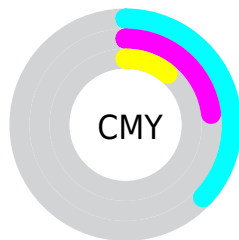
- Red (63%)
- Green (77%)
- Blue (89%)



- Red (63%)
- Yellow (72%)
- Blue (89%)



- Cyan (30%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (37%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3286, 52.9521, 80.3466 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 48.3286, 52.9521, 80.3466 by changing the saturation by 10% instead.

■ 48.3286, 52.9521,
80.3466

■ 48.3286, 52.9521,
80.3466

370.6541,
398.1013, 515.8377

■ 34.2995, 37.7645,
59.4758

■ 86.9002, 94.5339,
135.6687

■ 23.2878, 25.8000,
42.5737

■ 112.1734,
121.6969, 170.9571

■ 14.9280, 16.6741,
29.2219

141.9254,
153.6205, 211.8884

■ 8.8549, 10.0024,
19.0017

176.5215,
190.6891, 258.8811

■ 4.7030, 5.4005,
11.4947

216.3270,
233.2871, 312.3539

■ 2.1070, 2.4841,
6.2823

261.7074,

■ 0.6930, 0.8687,

281.7988, 372.7252

2.9459

313.0280,
336.6088, 440.4136

■ 0.0000, 0.0000,
1.0671

■ 0.0000, 0.0000,
0.0000

■ 48.3286, 52.9521,
80.3466

■ 48.3286, 52.9521,
80.3466

■ 41.9680, 46.3629,
79.4109

■ 55.6767, 60.2839,
81.3754

■ 36.5417, 40.4806,
78.5615

■ 64.0519, 68.3793,
82.4965

■ 31.9988, 35.2756,
77.7963

■ 73.4977, 77.2663,
83.7141

■ 28.2810, 30.7129,
77.1115

■ 84.0535, 86.9694,
85.0306

■ 25.3222, 26.7536,
76.5032

■ 88.6181, 93.8317,
86.1146

■ 23.0445, 23.3522,
75.9668

■ 90.8653, 98.3261,
86.8636

■ 21.3217, 20.4385,
75.4952

■ 21.2451, 20.3057,
75.4736

Harmonies

Analogous

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



45.2240, 52.9521, 73.5435



48.3286, 52.9521, 80.3466



52.1264, 52.9521, 80.5880

Triad

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



48.3286, 52.9521, 80.3466



57.8035, 52.9521, 52.7176



45.3960, 52.9521, 43.7977

Complementary

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



48.3286, 52.9521, 80.3466



56.4380, 55.6966, 41.0351

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.



48.5742, 52.9521, 39.5476



48.3286, 52.9521, 80.3466



55.8052, 52.9521, 44.2388

Square

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



48.3286, 52.9521, 80.3466



57.7295, 52.9521, 63.6608



52.3846, 52.9521, 39.6981



43.5903, 52.9521, 52.0409

Rectangle

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



48.3286, 52.9521, 80.3466



54.5503, 52.9521, 76.9302



52.3846, 52.9521, 39.6981



46.3320, 52.9521, 41.9040

Sweetspot

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



48.3302, 52.9542, 80.3478



83.9140, 89.5223, 107.4645



51.1565, 66.0884, 58.2246



17.5990, 18.8161, 22.9542



0.0000, 0.0000, 0.0000



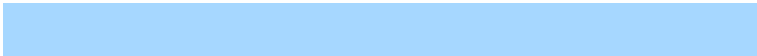
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3302, 52.9542, 80.3478



58.0340, 63.9209, 103.8870



41.7229, 39.7395, 78.1454



14.2394, 15.2003, 18.3278



12.5082, 12.0785, 44.0553



1.0167, 1.0774, 3.2863

Inverse Universe

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



54.3288, 45.5052, 58.7455



67.1016, 53.3499, 71.0774



64.2879, 71.3963, 43.6518



14.7084, 14.5006, 16.6651



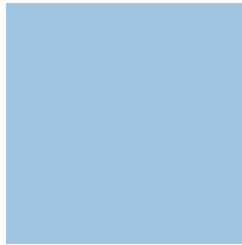
20.7071, 10.4170, 12.6183



1.5768, 0.7884, 1.1781

Previews

White Background



This preview shows how the XYZ color 48.3286, 52.9521, 80.3466 looks on a white background.

Color Contrast Check

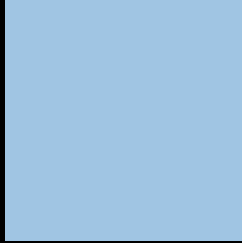
Large Text (above 18pt) WCAG AA × Fail

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 48.3286, 52.9521, 80.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

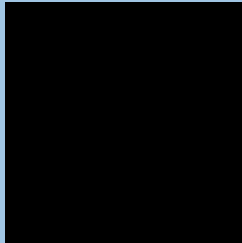
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

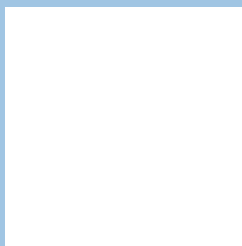
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3286, 52.9521, 80.3466

Background



This preview shows how black text looks on a background with the XYZ color 48.3286, 52.9521, 80.3466.



This preview shows how white text looks on a background with the XYZ color 48.3286, 52.9521,

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

48.3286, 52.9521, 80.3466

Protanopia

51.9824, 52.5937, 77.2239

Deuteranopia

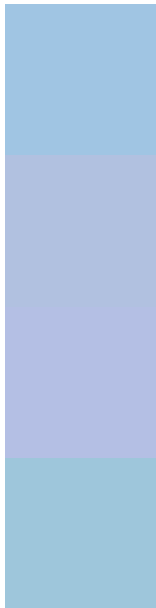
53.8643, 52.8300, 81.4870



Tritanopia

46.5938, 52.9212, 72.0490

Trichromacy



Original Color

48.3286, 52.9521, 80.3466

Protanomaly

50.6560, 52.8689, 78.0559

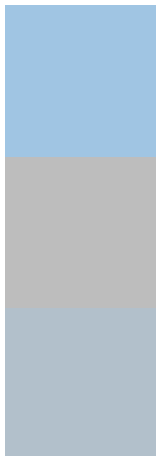
Deuteranomaly

51.4568, 52.5663, 80.8330

Tritanomaly

47.0808, 52.7717, 74.7224

Monochromacy



Original Color

48.3286, 52.9521, 80.3466

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9892, 51.4760, 63.9065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3286, 52.9521, 80.3466 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(160, 197, 227)` looks like.

```
.text, #text, p{  
    color:rgb(160, 197, 227)  
}
```

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(160, 197, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 197, 227) }
```

Border

The CSS property to change the border of an element to XYZ 48.3286, 52.9521, 80.3466 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(160, 197, 227) }
```


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

```
.border{ border-color:rgb(160, 197, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 197, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 197, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 197, 227);  
box-shadow:4px 4px 4px 4px rgb(160, 197,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3286, 52.9521, 80.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 197, 227) }
```

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

```
.background{ background-color: rgb(160,  
197, 227) }
```

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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