

Converting Colors

XYZ(48.3899, 60.7349, 81.1264)

Have a look what the booklet for
XYZ(48.3899, 60.7349, 81.1264)
contains.

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Color

**XYZ(48.3146, 60.5393,
81.0903)**

Conversions

Conversions Part 1

Format	Color
Hex	84DAE2
RGB	132, 218, 226
RGB Percent	52%, 85%, 89%
CMY	0.4823, 0.1451, 0.1137
CMYK	0.42, 0.04, 0.00, 0.11
HSL	185°, 62%, 70%
HSV	185°, 42%, 89%
XYZ	48.3146, 60.5393, 81.0903
YIQ	193.1980, -53.8240, -15.7440

Conversions

Conversions Part 2

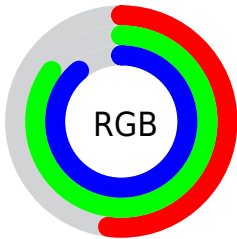
Format	Color
RYB	132, 177, 226
Decimal	8706786
CIELab	82.13, -23.94, -12.10
CIELCh	82, 26.819, 206.811
Yxy	60.5393, 0.2544, 0.3187
Android (android.graphics.Color)	4286896866 (0xFF84DAE2)
YUV	193.1980, 16.1714, -53.6706
Hunter-Lab	77.8070, -25.3219, -7.3270

Details

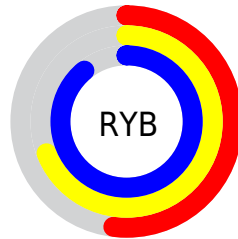
The XYZ color **48.3146, 60.5393, 81.0903** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.9080, 36.5918, 26.5274**, and the grayscale version is **50.7371, 53.3794, 58.1301**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **23.3495, 30.6305, 43.2097** is the 20% darker color. If you saturate the color by 10%, you get **44.6607, 57.9211, 80.7786**, and if you desaturate by 10%, it is **52.7434, 63.5684, 81.4426**.

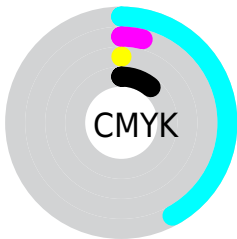
Distribution



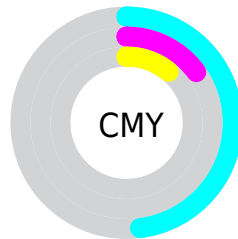
- Red (52%)
- Green (85%)
- Blue (89%)



- Red (52%)
- Yellow (69%)
- Blue (89%)



- Cyan (42%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (48%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3146, 60.5393, 81.0903 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 48.3146, 60.5393, 81.0903 by changing the saturation by 10% instead.


 48.3146, 60.5393,
81.0903


 48.3146, 60.5393,
81.0903


370.5996,
426.5828, 518.4030


 34.2884, 43.8535,
60.0845


 86.8795, 105.6116,
136.7228

 23.2792, 30.5553,
43.0610

 112.1489,
134.7669, 172.1865

 14.9216, 20.2605,
29.6013


 141.8967,
168.8474, 213.3068

 8.8503, 12.5845,
19.2866

176.4883,
208.2376, 260.5019

 4.7000, 7.1431,
11.6987

216.2890,
253.3218, 314.1906

 2.1053, 3.5517,
6.4188

261.6643,

 0.6921, 1.4261,

304.4845, 374.7913

3.0285

312.9793,
362.1100, 442.7226

■ 0.0000, 0.2359,
1.1092

■ 0.0000, 0.0000,
0.0000

■ 48.3146, 60.5393,
81.0903

■ 48.3146, 60.5393,
81.0903

■ 44.6607, 57.9211,
80.7786

■ 52.7434, 63.5684,
81.4426

■ 41.7264, 55.6809,
80.5008

■ 57.9871, 67.0249,
81.8334

■ 39.4575, 53.7924,
80.2559

■ 64.0895, 70.9327,
82.2660

■ 37.7901, 52.2223,
80.0407

■ 71.0897, 75.3119,
82.7424

■ 36.6471, 50.9312,
79.8517

■ 79.0242, 80.1815,
83.2641

■ 35.9853, 50.0063,
79.7081

■ 83.1370, 83.0897,
83.6087

■ 83.6737, 84.1631,
83.7876

■ 84.2163, 85.2484,
83.9685

■ 84.7649, 86.3455,
84.1513

Harmonies

Analogous

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



47.2898, 60.5393, 64.1883



48.3146, 60.5393, 81.0903



51.7549, 60.5393, 95.7831

Triad

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



48.3146, 60.5393, 81.0903



67.1950, 60.5393, 84.6081



58.1519, 60.5393, 39.3116

Complementary

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



48.3146, 60.5393, 81.0903



44.9080, 36.5918, 26.5274

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.



63.7426, 60.5393, 43.0106



48.3146, 60.5393, 81.0903



69.1754, 60.5393, 67.6765

Square

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



48.3146, 60.5393, 81.0903



62.6200, 60.5393, 98.0380



67.8726, 60.5393, 52.7654



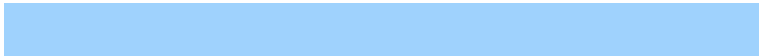
52.7439, 60.5393, 41.7119

Rectangle

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



48.3146, 60.5393, 81.0903



55.0794, 60.5393, 101.3885



67.8726, 60.5393, 52.7654



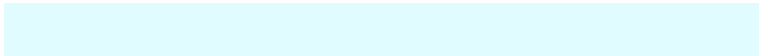
60.0745, 60.5393, 39.8656

Sweetspot

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



48.3164, 60.5417, 81.0917



83.8496, 93.0013, 108.1394



41.4348, 61.1880, 34.3748



17.7088, 19.7549, 23.1297



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.



48.3164, 60.5417, 81.0917



59.2734, 76.5632, 106.2619



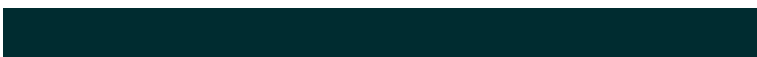
37.8391, 39.5870, 77.5993



14.0116, 15.3624, 17.6144



20.5728, 28.6151, 45.4873



1.4558, 2.0430, 3.1629

Inverse Universe

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



52.2717, 37.7348, 70.8607



65.2463, 43.1091, 90.5907



53.2652, 53.3061, 29.3131



14.2421, 13.9145, 17.0450



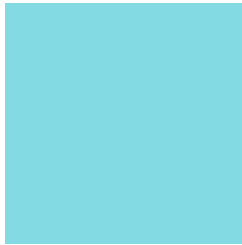
24.3244, 11.7968, 34.7036



1.7011, 0.8237, 2.4846

Previews

White Background



This preview shows how the XYZ color 48.3146, 60.5393, 81.0903 looks on a white background.

Color Contrast Check

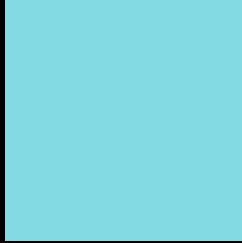
Large Text (above 18pt) WCAG AA × Fail

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 48.3146, 60.5393, 81.0903 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 48.3146, 60.5393, 81.0903

Background



This preview shows how black text looks on a background with the XYZ color 48.3146, 60.5393, 81.0903.

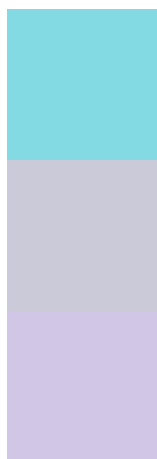


This preview shows how white text looks on a background with the XYZ color 48.3146, 60.5393,

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

48.3146, 60.5393, 81.0903

Protanopia

58.1438, 59.8954, 73.4622

Deuteranopia

61.0554, 59.8030, 83.1881



Tritanopia

49.4957, 60.6346, 86.9368

Trichromacy



Original Color

48.3146, 60.5393, 81.0903

Protanomaly

53.6056, 59.6262, 76.3938

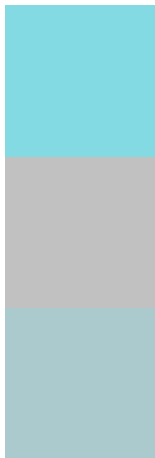
Deuteranomaly

55.2656, 59.2649, 82.6552

Tritanomaly

48.9095, 60.3818, 84.6783

Monochromacy



Original Color

48.3146, 60.5393, 81.0903

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.9346, 55.3068, 65.8538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3146, 60.5393, 81.0903 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(132, 218, 226)` looks like.

```
.text, #text, p{  
    color:rgb(132, 218, 226)  
}
```

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(132, 218, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 218, 226) }
```

Border

The CSS property to change the border of an element to XYZ 48.3146, 60.5393, 81.0903 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(132, 218, 226) }
```


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

```
.border{ border-color:rgb(132, 218, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 218, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 218, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 218, 226); box-shadow:4px 4px 4px 4px rgb(132, 218, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3146, 60.5393, 81.0903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 218, 226) }
```

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

```
.background{ background-color: rgb(132,  
218, 226) }
```

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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