

Converting Colors

XYZ(35.2373, 48.2781, 80.1603)

Have a look what the booklet for
XYZ(35.2373, 48.2781, 80.1603)
contains.

XYZ(35.2211, 48.2579, 80.1314)	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(35.2211, 48.2579,
80.1314)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBE3
RGB	0, 203, 227
RGB Percent	0%, 80%, 89%
CMY	0.9997, 0.2039, 0.1098
CMYK	1.00, 0.11, 0.00, 0.11
HSL	186°, 100%, 45%
HSV	186°, 100%, 89%
XYZ	35.2211, 48.2579, 80.1314
YIQ	145.0390, -128.6920, -35.5720

Conversions

Conversions Part 2

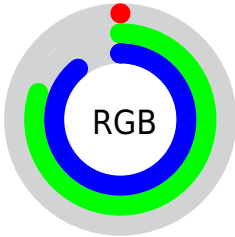
Format	Color
RYB	0, 107, 227
Decimal	52195
CIELab	74.99, -33.05, -23.69
CIELCh	75, 40.667, 215.637
Yxy	48.2579, 0.2153, 0.2950
Android (android.graphics.Color)	4278242275 (0xFF00CBE3)
YUV	145.0390, 40.4068, -127.1992
Hunter-Lab	69.4679, -31.0671, -19.7636

Details

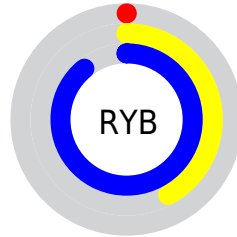
The XYZ color **35.2211, 48.2579, 80.1314** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **32.0072, 16.9871, 1.5937**, and the grayscale version is **26.8162, 28.2128, 30.7237**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.0363, 24.1584, 42.7421** is the 20% darker color. If you saturate the color by 10%, you get **35.2203, 48.2560, 80.1320**, and if you desaturate by 10%, it is **36.1412, 49.5813, 80.3393**.

Distribution



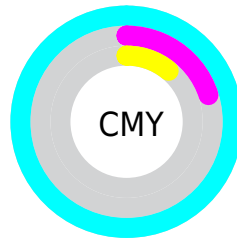
- Red (0%)
- Green (80%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2211, 48.2579, 80.1314 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 35.2211, 48.2579, 80.1314 by changing the saturation by 10% instead.


 35.2211, 48.2579,
80.1314


 35.2211, 48.2579,
80.1314


317.0341,
379.8135, 515.0940


 24.0006, 34.0312,
59.2997


 67.1599, 87.5883,
135.3635


 15.4588, 22.9175,
42.4328


 88.6089, 113.4607,
170.6010


 9.2304, 14.5326,
29.1122


 114.1981,
143.9838, 211.4775

 4.9501, 8.4920,
18.9194

 144.2928,
179.5420, 258.4116

 2.2525, 4.4114,
11.4359

 179.2584,
220.5197, 311.8217

 0.7702, 1.9062,
6.2430

219.4602,

 0.0000, 0.5521,

267.3012, 372.1264

2.9222

265.2637,
320.2710, 439.7444

■ 0.0000, 0.0000,
1.0550

■ 0.0000, 0.0000,
0.0000

■ 35.2211, 48.2579,
80.1314

■ 35.2211, 48.2579,
80.1314

■ 35.2203, 48.2560,
80.1320

■ 36.1412, 49.5813,
80.3393

■ 37.4761, 51.1307,
80.5680

■ 39.3577, 52.9751,
80.8248

■ 41.8613, 55.1533,
81.1133

■ 45.0500, 57.6980,
81.4364

■ 48.9793, 60.6377,
81.7967

■ 53.6988, 63.9983,
82.1966

■ 59.2539, 67.8030,
82.6382

■ 65.6865, 72.0736,
83.1235

Harmonies

Analogous

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



33.0830, 48.2579, 56.6617



35.2211, 48.2579, 80.1314



40.2299, 48.2579, 99.2526

Triad

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



35.2211, 48.2579, 80.1314



60.1321, 48.2579, 71.2686



44.4804, 48.2579, 21.4671

Complementary

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



35.2211, 48.2579, 80.1314



32.0072, 16.9871, 1.5937

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.



52.0091, 48.2579, 23.4182



35.2211, 48.2579, 80.1314



61.5829, 48.2579, 48.6320

Square

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



35.2211, 48.2579, 80.1314



54.6937, 48.2579, 93.2445



58.4688, 48.2579, 32.1504



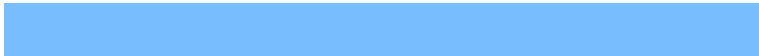
38.0463, 48.2579, 25.8391

Rectangle

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



35.2211, 48.2579, 80.1314



44.7908, 48.2579, 104.7299



58.4688, 48.2579, 32.1504



46.9617, 48.2579, 21.4236

Sweetspot

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



35.2227, 48.2596, 80.1326



69.7583, 83.2108, 106.9924



27.6225, 55.0002, 9.9582



14.3476, 17.3996, 22.8522



0.0000, 0.0000, 0.0000



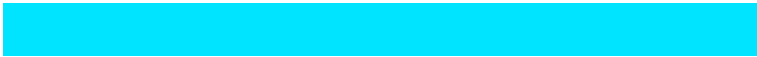
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2227, 48.2596, 80.1326



45.8027, 62.7254, 104.3009



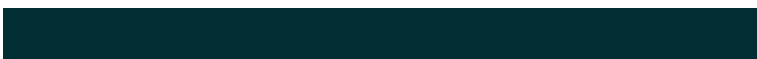
17.5934, 13.0012, 74.2562



14.6704, 16.0622, 18.4714



20.5918, 28.2458, 46.7498



1.5592, 2.1624, 3.4672

Inverse Universe

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



42.4595, 20.6444, 58.2484



55.2483, 26.8633, 75.6966



40.5154, 34.0034, 4.4297



14.9260, 14.5876, 17.8106



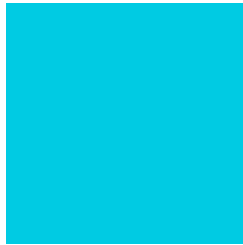
24.7873, 12.0491, 34.1046



1.8507, 0.8980, 2.6201

Previews

White Background



This preview shows how the XYZ color 35.2211, 48.2579, 80.1314 looks on a white background.

Color Contrast Check

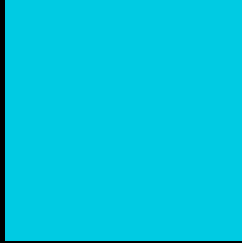
Large Text (above 18pt) WCAG AA × Fail

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 35.2211, 48.2579, 80.1314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

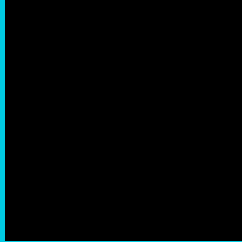
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2211, 48.2579, 80.1314

Background



This preview shows how black text looks on a background with the XYZ color 35.2211, 48.2579, 80.1314.



This preview shows how white text looks on a background with the XYZ color 35.2211, 48.2579,

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

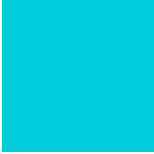
35.2211, 48.2579, 80.1314

Protanopia

47.0983, 47.7250, 69.6803

Deuteranopia

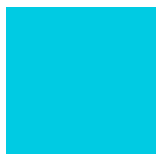
48.5659, 47.5827, 82.9686



Tritanopia

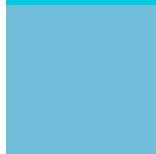
34.5111, 48.3530, 75.2243

Trichromacy



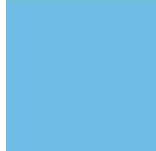
Original Color

35.2211, 48.2579, 80.1314



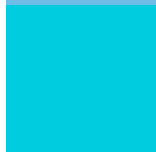
Protanomaly

37.8784, 45.3996, 73.0963



Deuteranomaly

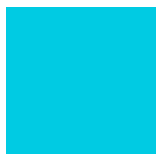
38.8217, 45.0591, 81.5141



Tritanomaly

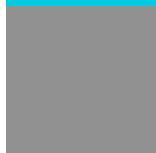
34.9121, 48.5134, 77.3360

Monochromacy



Original Color

35.2211, 48.2579, 80.1314



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.7877, 32.6429, 45.4990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2211, 48.2579, 80.1314 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(0, 203, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 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(0, 203, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 227) }
```

Border

The CSS property to change the border of an element to XYZ 35.2211, 48.2579, 80.1314 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(0, 203, 227) }
```


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

```
.border{ border-color:rgb(0, 203, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2211, 48.2579, 80.1314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 227) }
```

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

```
.background{ background-color: rgb(0, 203,  
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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