

Converting Colors

XYZ(32.1552, 47.4312, 79.8825)

Have a look what the booklet for
XYZ(32.1552, 47.4312, 79.8825)
contains.

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Color

**XYZ(35.6964, 49.2087,
80.2899)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDE3
RGB	0, 205, 227
RGB Percent	0%, 80%, 89%
CMY	0.9998, 0.1961, 0.1098
CMYK	1.00, 0.10, 0.00, 0.11
HSL	186°, 100%, 45%
HSV	186°, 100%, 89%
XYZ	35.6964, 49.2087, 80.2899
YIQ	146.2130, -129.2420, -36.6180

Conversions

Conversions Part 2

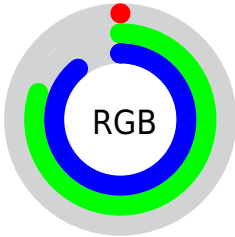
Format	Color
RYB	0, 108, 227
Decimal	52707
CIELab	75.58, -34.00, -22.79
CIELCh	76, 40.933, 213.832
Yxy	49.2087, 0.2161, 0.2979
Android (android.graphics.Color)	4278242787 (0xFF00CDE3)
YUV	146.2130, 39.8280, -128.2288
Hunter-Lab	70.1489, -31.9280, -18.7569

Details

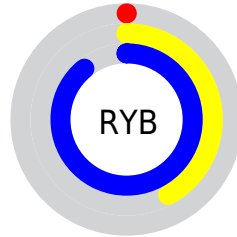
The XYZ color **35.6964, 49.2087, 80.2899** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.9672, 16.9070, 1.5800**, and the grayscale version is **27.2957, 28.7172, 31.2730**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.3527, 24.7913, 42.8476** is the 20% darker color. If you saturate the color by 10%, you get **35.6961, 49.2077, 80.2907**, and if you desaturate by 10%, it is **36.5751, 50.4496, 80.4840**.

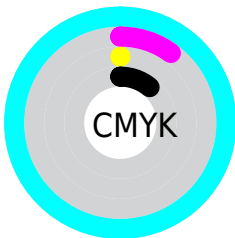
Distribution



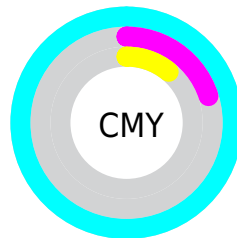
- Red (0%)
- Green (80%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6964, 49.2087, 80.2899 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 35.6964, 49.2087, 80.2899 by changing the saturation by 10% instead.

 35.6964, 49.2087,
80.2899


 35.6964, 49.2087,
80.2899


319.0860,
383.5633, 515.6418


 24.3688, 34.7851,
59.4294


 67.8901, 89.0013,
135.5883


 15.7337, 23.4974,
42.5366


 89.4870, 115.1391,
170.8633


 9.4255, 14.9612,
29.1930


 115.2378,
145.9504, 211.7802

 5.0791, 8.7921,
18.9800

 145.5076,
181.8196, 258.7574

 2.3290, 4.6059,
11.4792

 180.6621,
223.1311, 312.2137

 0.8094, 2.0179,
6.2719

221.0664,

 0.0000, 0.6178,

270.2693, 372.5675

2.9397

267.0859,
323.6186, 440.2373

■ 0.0000, 0.0000,
1.0639

■ 0.0000, 0.0000,
0.0000

■ 35.6964, 49.2087,
80.2899

■ 35.6964, 49.2087,
80.2899

■ 35.6961, 49.2077,
80.2907

■ 36.5751, 50.4496,
80.4840

■ 37.8671, 51.9136,
80.6985

■ 39.7045, 53.6698,
80.9407

■ 42.1623, 55.7569,
81.2140

■ 45.3038, 58.2078,
81.5215

■ 49.1845, 61.0508,
81.8657

■ 53.8539, 64.3117,
82.2490

■ 59.3575, 68.0140,
82.6736

■ 65.7371, 72.1792,
83.1413

Harmonies

Analogous

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



33.7042, 49.2087, 56.4135



35.6964, 49.2087, 80.2899



40.6439, 49.2087, 100.3553

Triad

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



35.6964, 49.2087, 80.2899



61.0831, 49.2087, 74.1372



45.8056, 49.2087, 21.8302

Complementary

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



35.6964, 49.2087, 80.2899



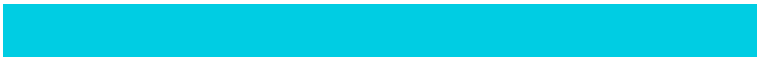
31.9672, 16.9070, 1.5800

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.



53.4858, 49.2087, 24.2076



35.6964, 49.2087, 80.2899



62.8426, 49.2087, 50.8428

Square

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



35.6964, 49.2087, 80.2899



55.3490, 49.2087, 96.1826



59.9285, 49.2087, 33.5671



39.1292, 49.2087, 25.8848

Rectangle

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



35.6964, 49.2087, 80.2899



45.2255, 49.2087, 106.6036



59.9285, 49.2087, 33.5671



48.3521, 49.2087, 21.9116

Sweetspot

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



35.6980, 49.2105, 80.2911



69.9649, 83.6240, 107.0612



27.5874, 54.9861, 9.7739



14.3977, 17.4999, 22.8689



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.



35.6980, 49.2105, 80.2911



46.4255, 63.9710, 104.5085



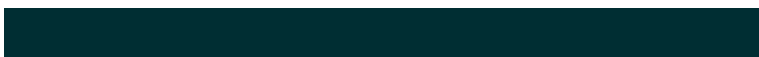
17.9235, 13.6616, 74.3663



14.6818, 16.0850, 18.4752



20.8656, 28.7934, 46.8411



1.5767, 2.1974, 3.4730

Inverse Universe

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



42.6993, 20.7402, 59.5122



55.5626, 26.9891, 77.3520



39.9902, 32.9532, 4.2544



14.9317, 14.5899, 17.8408



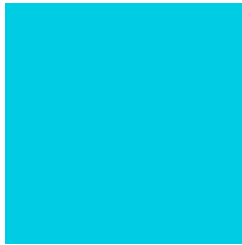
24.9255, 12.1044, 34.8324



1.8595, 0.9015, 2.6666

Previews

White Background



This preview shows how the XYZ color 35.6964, 49.2087, 80.2899 looks on a white background.

Color Contrast Check

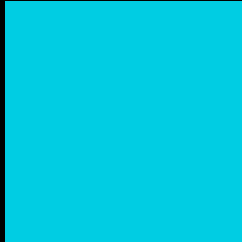
Large Text (above 18pt) WCAG AA × Fail

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 35.6964, 49.2087, 80.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

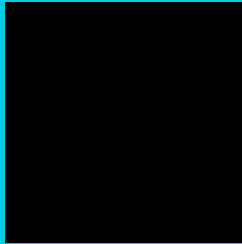
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

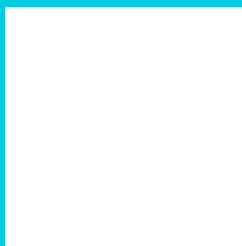
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6964, 49.2087, 80.2899

Background



This preview shows how black text looks on a background with the XYZ color 35.6964, 49.2087, 80.2899.



This preview shows how white text looks on a background with the XYZ color 35.6964, 49.2087,

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

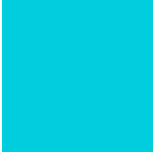
35.6964, 49.2087, 80.2899

Protanopia

47.6395, 48.3237, 69.1039

Deuteranopia

49.4495, 48.3389, 83.0680



Tritanopia

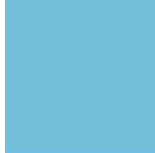
35.2561, 49.4165, 76.7874

Trichromacy



Original Color

35.6964, 49.2087, 80.2899



Protanomaly

38.2254, 45.9162, 72.4937



Deuteranomaly

39.5064, 46.0508, 81.6694



Tritanomaly

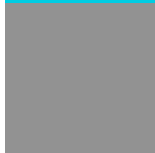
35.5259, 49.5244, 78.2078

Monochromacy



Original Color

35.6964, 49.2087, 80.2899



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.0708, 33.0597, 45.5645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6964, 49.2087, 80.2899 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, 205, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 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, 205, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 227) }
```

Border

The CSS property to change the border of an element to XYZ 35.6964, 49.2087, 80.2899 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, 205, 227) }
```


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

```
.border{ border-color:rgb(0, 205, 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, 205, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6964, 49.2087, 80.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 227) }
```

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

```
.background{ background-color: rgb(0, 205,  
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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