

Converting Colors

XYZ(37.5671, 49.8350, 79.5906)

Have a look what the booklet for
XYZ(37.5671, 49.8350, 79.5906)
contains.

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Color

**XYZ(37.5671, 49.8350,
79.5906)**

Conversions

Conversions Part 1

Format	Color
Hex	42CCE2
RGB	66, 204, 226
RGB Percent	26%, 80%, 89%
CMY	0.7411, 0.2000, 0.1137
CMYK	0.71, 0.10, 0.00, 0.11
HSL	188°, 73%, 57%
HSV	188°, 71%, 89%
XYZ	37.5671, 49.8350, 79.5906
YIQ	165.2460, -89.3100, -22.4140

Conversions

Conversions Part 2

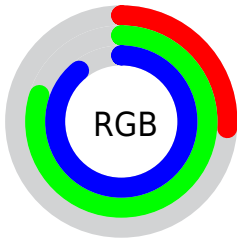
Format	Color
R _Y B	66, 140, 226
Decimal	4377826
CIE Lab	75.97, -29.47, -21.60
CIE LCh	76, 36.540, 216.231
Yxy	49.8350, 0.2250, 0.2984
Android (android.graphics.Color)	4282567906 (0xFF42CCE2)
YUV	165.2460, 29.9517, -87.0387
Hunter-Lab	70.5939, -28.5492, -17.4304

Details

The XYZ color **37.5671, 49.8350, 79.5906** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.8385, 23.5433, 7.8113**, and the grayscale version is **35.7757, 37.6388, 40.9887**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **18.0981, 24.4352, 42.2907** is the 20% darker color. If you saturate the color by 10%, you get **35.6035, 47.7382, 79.2903**, and if you desaturate by 10%, it is **40.1498, 52.2749, 79.9264**.

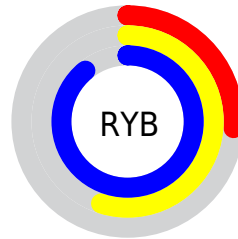
Distribution



Red (26%)

Green (80%)

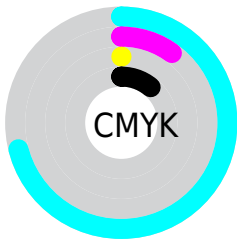
Blue (89%)



Red (26%)

Yellow (55%)

Blue (89%)

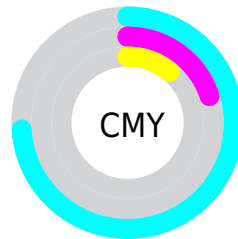


Cyan (71%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (74%)

Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5671, 49.8350, 79.5906 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 37.5671, 49.8350, 79.5906 by changing the saturation by 10% instead.

■ 37.5671, 49.8350,
79.5906

■ 37.5671, 49.8350,
79.5906

327.0723,
386.0203, 513.2224

■ 25.8226, 35.2823,
58.8573

■ 70.7523, 89.9304,
134.5962

■ 16.8229, 23.8804,
42.0790

■ 92.9237, 116.2418,
169.7056

■ 10.2028, 15.2449,
28.8371

■ 119.3014,
147.2417, 210.4441

■ 5.5970, 8.9915,
18.7131

■ 150.2508,
183.3143, 257.2303

■ 2.6399, 4.7356,
11.2885

186.1372,
224.8440, 310.4826

■ 0.9663, 2.0930,
6.1446

227.3261,

■ 0.0000, 0.6607,

272.2154, 370.6198

2.8630

274.1827,
325.8127, 438.0602

■ 0.0000, 0.0000,
1.0251

■ 0.0000, 0.0000,
0.0000

■ 37.5671, 49.8350,
79.5906

■ 37.5671, 49.8350,
79.5906

■ 35.6035, 47.7382,
79.2903

■ 40.1498, 52.2749,
79.9264


■ 34.1786, 45.9398,
79.0183


■ 43.4101, 55.0851,
80.2969


■ 33.2264, 44.4885,
78.7883

■ 47.4052, 58.2962,
80.7062


■ 52.1845, 61.9338,
81.1564

 57.7933, 66.0215,
81.6498

 64.2733, 70.5807,
82.1883

 71.6634, 75.6317,
82.7737

 80.0002, 81.1935,
83.4079

 83.8158, 84.4474,
83.8348

Harmonies

Analogous

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



35.5023, 49.8350, 58.4362



37.5671, 49.8350, 79.5906



42.2811, 49.8350, 96.3422

Triad

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



37.5671, 49.8350, 79.5906



60.3938, 49.8350, 70.8291



45.9591, 49.8350, 24.8610

Complementary

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



37.5671, 49.8350, 79.5906



35.8385, 23.5433, 7.8113

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.



52.8445, 49.8350, 26.6621



37.5671, 49.8350, 79.5906



61.6173, 49.8350, 50.2912

Square

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



37.5671, 49.8350, 79.5906



55.5379, 49.8350, 90.4945



58.7374, 49.8350, 34.9728



40.0390, 49.8350, 29.2787

Rectangle

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



37.5671, 49.8350, 79.5906



46.5109, 49.8350, 100.9606



58.7374, 49.8350, 34.9728



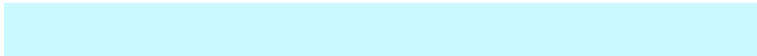
48.2329, 49.8350, 24.7776

Sweetspot

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



37.5687, 49.8368, 79.5918



75.7145, 86.6118, 107.3349



31.1785, 56.2457, 18.3036



15.7455, 18.2069, 22.9344



0.0000, 0.0000, 0.0000



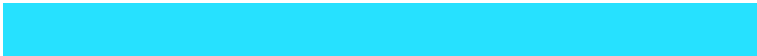
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5687, 49.8368, 79.5918



45.8372, 61.5942, 104.0807



23.2675, 21.2344, 74.8247



13.9475, 15.2341, 17.5930



19.0204, 25.5104, 44.9699



1.3633, 1.8581, 3.1320

Inverse Universe

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



44.2127, 24.4264, 59.5131



55.5587, 28.1093, 73.8729



46.2288, 44.3238, 11.2747



14.2097, 13.9015, 16.8745



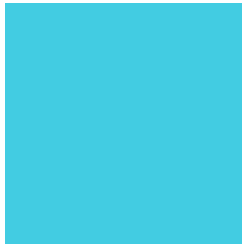
23.5408, 11.4833, 30.5775



1.6544, 0.8050, 2.2389

Previews

White Background



This preview shows how the XYZ color 37.5671, 49.8350, 79.5906 looks on a white background.

Color Contrast Check

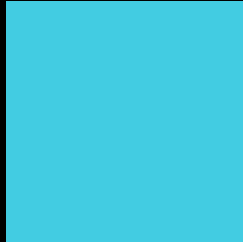
Large Text (above 18pt) WCAG AA × Fail

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 37.5671, 49.8350, 79.5906 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 37.5671, 49.8350, 79.5906

Background



This preview shows how black text looks on a background with the XYZ color 37.5671, 49.8350, 79.5906.



This preview shows how white text looks on a background with the XYZ color 37.5671, 49.8350,

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

37.5671, 49.8350, 79.5906

Protanopia

48.2068, 48.9088, 69.8504

Deuteranopia

50.2078, 49.0492, 82.4225



Tritanopia

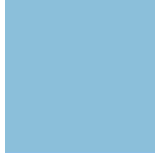
36.9324, 49.9399, 76.0994

Trichromacy



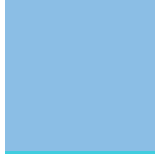
Original Color

37.5671, 49.8350, 79.5906



Protanomaly

41.9332, 47.8125, 73.3483



Deuteranomaly

43.2038, 47.9730, 81.1114



Tritanomaly

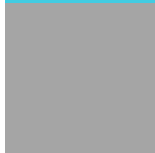
37.2650, 50.0803, 77.5144

Monochromacy



Original Color

37.5671, 49.8350, 79.5906



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.1430, 40.4952, 53.0305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5671, 49.8350, 79.5906 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(66, 204, 226)` looks like.

```
.text, #text, p{  
    color:rgb(66, 204, 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(66, 204, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 204, 226) }
```

Border

The CSS property to change the border of an element to XYZ 37.5671, 49.8350, 79.5906 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(66, 204, 226) }
```


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

```
.border{ border-color:rgb(66, 204, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 204, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 204, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 204, 226);  
box-shadow:4px 4px 4px 4px rgb(66, 204,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5671, 49.8350, 79.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 204, 226) }
```

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

```
.background{ background-color: rgb(66, 204,  
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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