

Converting Colors

XYZ(39.0715, 56.6813, 75.5006)

Have a look what the booklet for
XYZ(39.0715, 56.6813, 75.5006)
contains.

XYZ(39.0110, 56.6417, 75.2065)	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(39.0110, 56.6417,
75.2065)**

Conversions

Conversions Part 1

Format	Color
Hex	25DCDA
RGB	37, 220, 218
RGB Percent	15%, 86%, 85%
CMY	0.8548, 0.1372, 0.1451
CMYK	0.83, 0.00, 0.01, 0.14
HSL	179°, 72%, 50%
HSV	179°, 83%, 86%
XYZ	39.0110, 56.6417, 75.2065
YIQ	165.0550, -108.4260, -39.4180

Conversions

Conversions Part 2

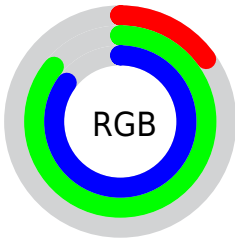
Format	Color
R_{YB}	37, 129, 220
Decimal	2481370
CIE Lab	79.98, -42.12, -11.31
CIE LCh	80, 43.609, 195.035
Yxy	56.6417, 0.2283, 0.3315
Android (android.graphics.Color)	4280671450 (0xFF25DCDA)
YUV	165.0550, 26.1019, -112.3042
Hunter-Lab	75.2607, -39.1816, -6.5648

Details

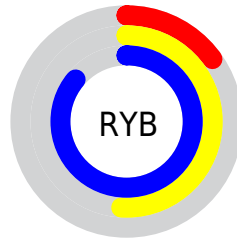
The XYZ color **39.0110, 56.6417, 75.2065** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.5448, 16.6869, 3.5321**, and the grayscale version is **35.7096, 37.5693, 40.9130**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **19.8863, 29.1953, 39.2375** is the 20% darker color. If you saturate the color by 10%, you get **38.4149, 56.3393, 75.0156**, and if you desaturate by 10%, it is **40.0853, 57.1931, 75.4226**.

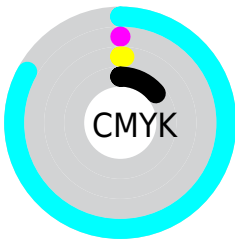
Distribution



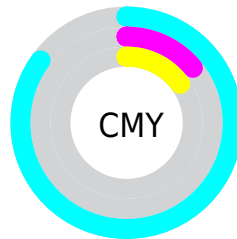
- Red (15%)
- Green (86%)
- Blue (85%)



- Red (15%)
- Yellow (51%)
- Blue (86%)



- Cyan (83%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)





- Cyan (85%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0110, 56.6417, 75.2065 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 39.0110, 56.6417, 75.2065 by changing the saturation by 10% instead.


 39.0110, 56.6417,
75.2065


 39.0110, 56.6417,
75.2065


333.1436,
412.1054, 497.9014


 26.9490, 40.7176,
55.2793


 72.9491, 99.9422,
128.3544

 17.6713, 28.0985,
39.2253


 95.5559, 128.0874,
162.4122


 10.8125, 18.3999,
26.6259


 122.4084,
161.0752, 202.0174

 6.0073, 11.2375,
17.0625

 153.8720,
199.2898, 247.5883

 2.8902, 6.2268,
10.1166

 190.3119,
243.1158, 299.5437

 1.0960, 2.9835,
5.3697

232.0936,

 0.0217, 1.1231,

292.9374, 358.3019

2.4033

279.5824,
349.1391, 424.2817

■ 0.0000, 0.0000,
0.7882

■ 0.0000, 0.0000,
0.0000

■ 39.0110, 56.6417,
75.2065

■ 39.0110, 56.6417,
75.2065

■ 38.4149, 56.3393,
75.0156

■ 40.0853, 57.1931,
75.4226

■ 38.1962, 56.2290,
74.8933

■ 41.7071, 58.0255,
75.6633

■ 43.9394, 59.1727,
75.9328

■ 46.8356, 60.6621,
76.2336

■ 50.4432, 62.5182,
76.5679

■ 54.8052, 64.7632,
76.9378

■ 59.9614, 67.4177,
77.3451

■ 65.9488, 70.5006,
77.7915

■ 72.8020, 74.0299,
78.2787

Harmonies

Analogous

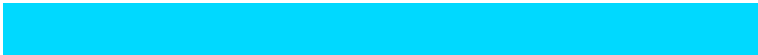
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0066, 56.6417, 49.9200



39.0110, 56.6417, 75.2065



42.6790, 56.6417, 103.0048

Triad

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



39.0110, 56.6417, 75.2065



66.8031, 56.6417, 102.9447



58.3533, 56.6417, 25.5430

Complementary

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



39.0110, 56.6417, 75.2065



30.5448, 16.6869, 3.5321

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.



66.7859, 56.6417, 33.2071



39.0110, 56.6417, 75.2065



72.0159, 56.6417, 75.1400

Square

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



39.0110, 56.6417, 75.2065



58.3747, 56.6417, 121.7644



72.0093, 56.6417, 49.8693



49.5393, 56.6417, 25.5516

Rectangle

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



39.0110, 56.6417, 75.2065



46.9656, 56.6417, 117.2782



72.0093, 56.6417, 49.8693



61.3463, 56.6417, 27.1895

Sweetspot

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



39.0127, 56.6438, 75.2079



75.2467, 89.8040, 107.3882



26.8059, 51.7743, 10.3323



15.6341, 18.9789, 22.9458



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.



39.0127, 56.6438, 75.2079



53.3640, 78.5616, 104.6216



21.8739, 21.9445, 70.7953



13.4384, 14.8270, 16.7717



22.4191, 33.0003, 43.9680



1.4544, 2.1387, 2.8591

Inverse Universe

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



30.5448, 16.6869, 3.5321



41.2553, 21.2661, 2.0105



37.2424, 30.1339, 5.6052



13.0618, 13.0538, 13.5868



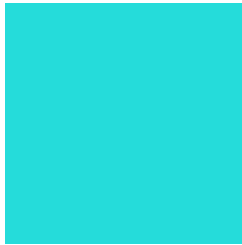
17.3326, 8.9341, 0.8654



1.1250, 0.5796, 0.0670

Previews

White Background



This preview shows how the XYZ color 39.0110, 56.6417, 75.2065 looks on a white background.

Color Contrast Check

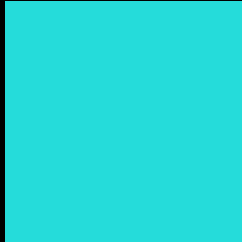
Large Text (above 18pt) WCAG AA × Fail

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 39.0110, 56.6417, 75.2065 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

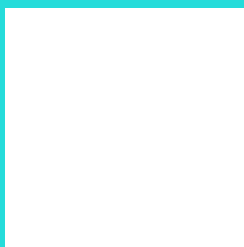
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.0110, 56.6417, 75.2065

Background



This preview shows how black text looks on a background with the XYZ color 39.0110, 56.6417, 75.2065.

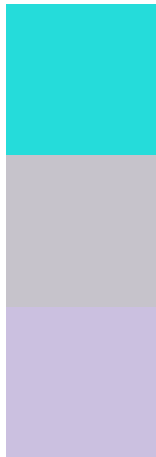


This preview shows how white text looks on a background with the XYZ color 39.0110, 56.6417,

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

39.0110, 56.6417, 75.2065

Protanopia

53.5833, 55.3478, 64.3590

Deuteranopia

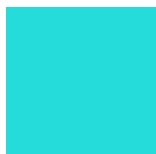
56.9328, 55.7776, 78.2865



Tritanopia

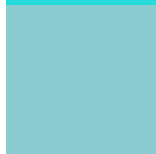
41.3296, 56.4081, 87.3068

Trichromacy



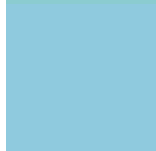
Original Color

39.0110, 56.6417, 75.2065



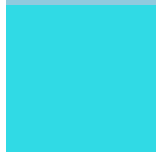
Protanomaly

43.6255, 53.2288, 67.6494



Deuteranomaly

45.6330, 53.3546, 77.0006



Tritanomaly

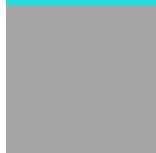
40.4332, 56.4283, 82.8894

Monochromacy



Original Color

39.0110, 56.6417, 75.2065



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.4719, 42.0102, 51.6920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0110, 56.6417, 75.2065 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(37, 220, 218)` looks like.

```
.text, #text, p{  
    color:rgb(37, 220, 218)  
}
```

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(37, 220, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 220, 218) }
```

Border

The CSS property to change the border of an element to XYZ 39.0110, 56.6417, 75.2065 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(37, 220, 218) }
```


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

```
.border{ border-color:rgb(37, 220, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 220, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 220, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 220, 218);  
box-shadow:4px 4px 4px 4px rgb(37, 220,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0110, 56.6417, 75.2065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 220, 218) }
```

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

```
.background{ background-color: rgb(37, 220,  
218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor