

Converting Colors

XYZ(34.8195, 51.7593, 76.8035)

Have a look what the booklet for
XYZ(34.8195, 51.7593, 76.8035)
contains.

XYZ(36.8454, 52.8090, 76.6578)	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(36.8454, 52.8090,
76.6578)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5DD
RGB	0, 213, 221
RGB Percent	0%, 84%, 87%
CMY	0.9998, 0.1647, 0.1333
CMYK	1.00, 0.04, 0.00, 0.13
HSL	182°, 100%, 43%
HSV	182°, 100%, 87%
XYZ	36.8454, 52.8090, 76.6578
YIQ	150.2250, -129.5160, -42.6680

Conversions

Conversions Part 2

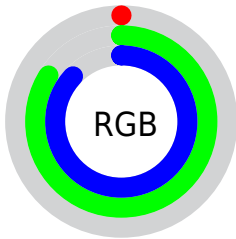
Format	Color
RYB	0, 108, 221
Decimal	54749
CIELab	77.76, -39.57, -16.26
CIELCh	78, 42.785, 202.340
Yxy	52.8090, 0.2215, 0.3175
Android (android.graphics.Color)	4278244829 (0xFF00D5DD)
YUV	150.2250, 34.8921, -131.7473
Hunter-Lab	72.6698, -36.6682, -11.6749

Details

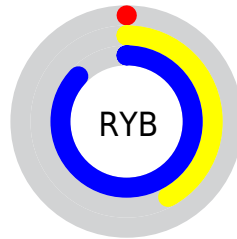
The XYZ color **36.8454, 52.8090, 76.6578** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.9069, 15.5473, 1.4262**, and the grayscale version is **28.9882, 30.4979, 33.2122**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.1098, 27.2069, 40.3207** is the 20% darker color. If you saturate the color by 10%, you get **36.8459, 52.8096, 76.6589**, and if you desaturate by 10%, it is **37.3824, 53.3864, 76.7419**.

Distribution



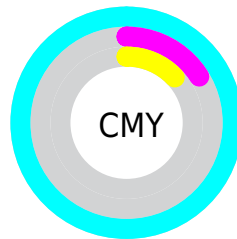
- Red (0%)
- Green (84%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8454, 52.8090, 76.6578 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 36.8454, 52.8090, 76.6578 by changing the saturation by 10% instead.


 36.8454, 52.8090,
76.6578


 36.8454, 52.8090,
76.6578


324.0079,
397.5519, 503.0031

 25.2609, 37.6503,
56.4622


 69.6503, 94.3233,
130.4249

 16.4013, 25.7114,
40.1671


 91.6015, 121.4476,
164.8335


 9.9012, 16.6079,
27.3541


 117.7389,
153.3293, 204.8168

 5.3953, 9.9553,
17.6045

 148.4280,
190.3528, 250.7934

 2.5181, 5.3693,
10.5000

 184.0341,
232.9024, 303.1817

 0.9044, 2.4656,
5.6218

224.9225,

 0.0000, 0.8593,

281.3625, 362.4005

2.5514

271.4587,
336.1175, 428.8681

■ 0.0000, 0.0000,
0.8672

■ 0.0000, 0.0000,
0.0000

■ 36.8454, 52.8090,
76.6578

■ 36.8454, 52.8090,
76.6578

■ 36.8459, 52.8096,
76.6589

■ 37.3824, 53.3864,
76.7419

■ 38.3005, 54.1607,
76.8430

■ 39.7253, 55.1976,
76.9681

■ 41.7269, 56.5334,
77.1204

■ 44.3646, 58.1986,
77.3028

■ 47.6901, 60.2198,
77.5176

■ 51.7500, 62.6211,
77.7672

■ 56.5866, 65.4243,
78.0533

■ 62.2392, 68.6497,
78.3780

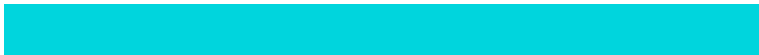
Harmonies

Analogous

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



35.9941, 52.8090, 51.6270



36.8454, 52.8090, 76.6578



41.0702, 52.8090, 101.7437

Triad

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



36.8454, 52.8090, 76.6578



63.9004, 52.8090, 90.1468



52.3483, 52.8090, 23.0838

Complementary

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



36.8454, 52.8090, 76.6578



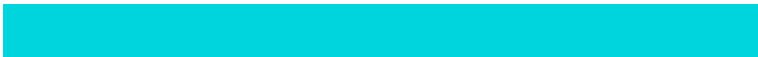
29.9069, 15.5473, 1.4262

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.



60.5765, 52.8090, 28.4014



36.8454, 52.8090, 76.6578



67.7078, 52.8090, 63.8024

Square

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



36.8454, 52.8090, 76.6578



56.4998, 52.8090, 110.9082



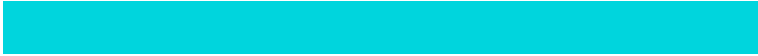
66.4289, 52.8090, 41.8338



44.3746, 52.8090, 24.7662

Rectangle

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



36.8454, 52.8090, 76.6578



45.5111, 52.8090, 112.8960



66.4289, 52.8090, 41.8338



55.1863, 52.8090, 24.0460

Sweetspot

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



36.8470, 52.8109, 76.6591



71.4079, 86.5100, 107.5423



25.8981, 51.7302, 8.8330



14.7486, 18.2018, 22.9859



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.



36.8470, 52.8109, 76.6591



50.9355, 72.9911, 106.0118



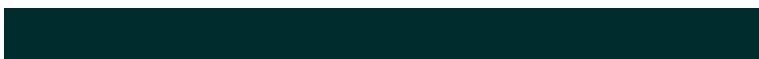
17.9184, 14.9538, 70.3496



13.4024, 14.7445, 16.7917



21.4228, 30.7151, 44.5379



1.4008, 2.0156, 2.8897

Inverse Universe

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



41.8304, 20.1778, 64.6428



57.8391, 27.8996, 89.3397



36.2853, 28.3040, 3.5523



13.5930, 13.2663, 16.3838



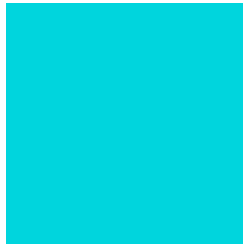
24.3086, 11.7245, 37.6007



1.5813, 0.7622, 2.4702

Previews

White Background



This preview shows how the XYZ color 36.8454, 52.8090, 76.6578 looks on a white background.

Color Contrast Check

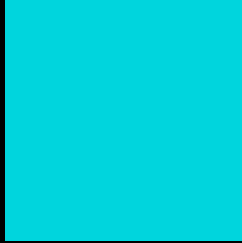
Large Text (above 18pt) WCAG AA × Fail

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 36.8454, 52.8090, 76.6578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

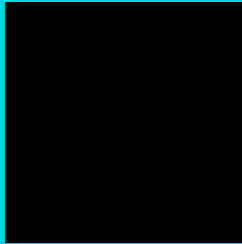
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

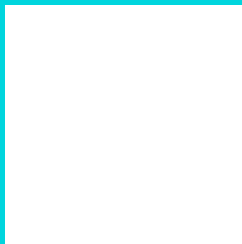
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8454, 52.8090, 76.6578

Background



This preview shows how black text looks on a background with the XYZ color 36.8454, 52.8090, 76.6578.

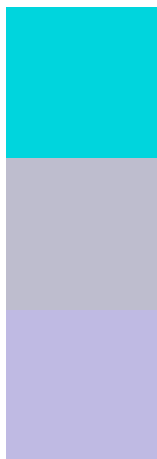


This preview shows how white text looks on a background with the XYZ color 36.8454, 52.8090,

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

36.8454, 52.8090, 76.6578

Protanopia

50.5734, 51.7986, 65.7251

Deuteranopia

52.9099, 51.7402, 79.8713



Tritanopia

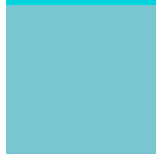
38.1930, 53.0053, 82.3468

Trichromacy



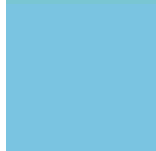
Original Color

36.8454, 52.8090, 76.6578



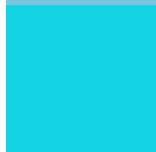
Protanomaly

39.8371, 49.1563, 69.0165



Deuteranomaly

41.3566, 49.0537, 78.5227



Tritanomaly

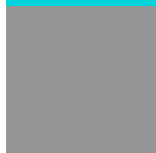
37.5204, 52.7066, 80.1474

Monochromacy



Original Color

36.8454, 52.8090, 76.6578



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.4994, 35.4546, 46.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8454, 52.8090, 76.6578 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, 213, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 221)  
}
```

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, 213, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 221) }
```

Border

The CSS property to change the border of an element to XYZ 36.8454, 52.8090, 76.6578 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, 213, 221) }
```


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

```
.border{ border-color:rgb(0, 213, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8454, 52.8090, 76.6578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 221) }
```

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

```
.background{ background-color: rgb(0, 213,  
221) }
```

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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