

Converting Colors

XYZ(37.2235, 52.2737, 80.7648)

Have a look what the booklet for
XYZ(37.2235, 52.2737, 80.7648)
contains.

XYZ(37.1594, 52.1346, 80.7775)	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(37.1594, 52.1346,
80.7775)**

Conversions

Conversions Part 1	
Format	Color
Hex	00D3E3
RGB	0, 211, 227
RGB Percent	0%, 83%, 89%
CMY	0.9998, 0.1725, 0.1098
CMYK	1.00, 0.07, 0.00, 0.11
HSL	184°, 100%, 45%
HSV	184°, 100%, 89%
XYZ	37.1594, 52.1346, 80.7775
YIQ	149.7350, -130.8920, -39.7560

Conversions

Conversions Part 2

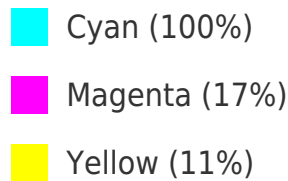
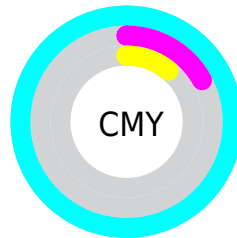
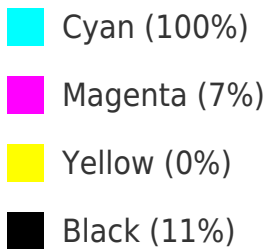
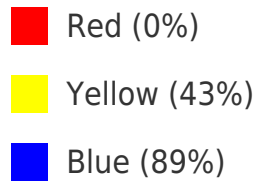
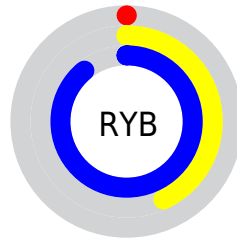
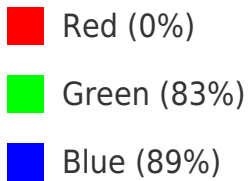
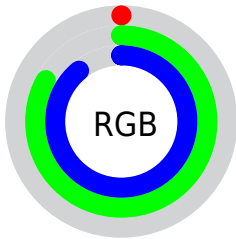
Format	Color
RYB	0, 109, 227
Decimal	54243
CIELab	77.36, -36.81, -20.09
CIELCh	77, 41.936, 208.618
Yxy	52.1346, 0.2185, 0.3065
Android (android.graphics.Color)	4278244323 (0xFF00D3E3)
YUV	149.7350, 38.0916, -131.3176
Hunter-Lab	72.2043, -34.4938, -15.7868

Details

The XYZ color **37.1594, 52.1346, 80.7775** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.8654, 16.7035, 1.5463**, and the grayscale version is **28.7688, 30.2670, 32.9607**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.3349, 26.7555, 43.1750** is the 20% darker color. If you saturate the color by 10%, you get **37.1593, 52.1341, 80.7784**, and if you desaturate by 10%, it is **37.9077, 53.1146, 80.9282**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1594, 52.1346, 80.7775 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 37.1594, 52.1346, 80.7775 by changing the saturation by 10% instead.


 37.1594, 52.1346,
80.7775


 37.1594, 52.1346,
80.7775


325.3437,
394.9560, 517.3249


 25.5052, 37.1124,
59.8284


 70.1301, 93.3297,
136.2796


 16.5846, 25.2945,
42.8560


 92.1773, 120.2714,
171.6696


 10.0322, 16.2966,
29.4416


 118.4195,
151.9550, 212.7105

 5.4827, 9.7343,
19.1667

 149.2222,
188.7650, 259.8206

 2.5708, 5.2231,
11.6127

 184.9505,
231.0856, 313.4186

 0.9311, 2.3788,
6.3612

225.9700,

 0.0000, 0.8149,

279.3015, 373.9229

2.9936

272.6459,
333.7968, 441.7522

0.0000, 0.0000,
1.0914

0.0000, 0.0000,
0.0000

37.1594, 52.1346,
80.7775

37.1594, 52.1346,
80.7775

37.1593, 52.1341,
80.7784

37.9077, 53.1146,
80.9282

39.0659, 54.3107,
81.0980

40.7659, 55.7920,
81.2944

43.0829, 57.5973,
81.5207

■ 46.0802, 59.7593,
81.7800

■ 49.8130, 62.3064,
82.0749

■ 54.3311, 65.2643,
82.4077

■ 59.6797, 68.6564,
82.7806

■ 65.9008, 72.5042,
83.1954

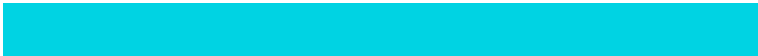
Harmonies

Analogous

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



35.6227, 52.1346, 55.7020



37.1594, 52.1346, 80.7775



41.9150, 52.1346, 103.6908

Triad

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



37.1594, 52.1346, 80.7775



63.9892, 52.1346, 83.1458



49.9271, 52.1346, 22.9609

Complementary

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



37.1594, 52.1346, 80.7775



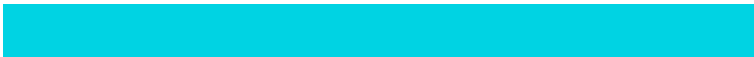
31.8654, 16.7035, 1.5463

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.



58.0653, 52.1346, 26.6890



37.1594, 52.1346, 80.7775



66.7089, 52.1346, 57.8429

Square

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



37.1594, 52.1346, 80.7775



57.3487, 52.1346, 105.2985



64.4334, 52.1346, 38.0571



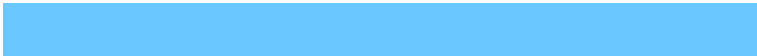
42.4967, 52.1346, 26.0470

Rectangle

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



37.1594, 52.1346, 80.7775



46.5574, 52.1346, 112.3140



64.4334, 52.1346, 38.0571



52.6731, 52.1346, 23.4344

Sweetspot

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



37.1610, 52.1365, 80.7788



70.5887, 84.8715, 107.2692



27.5578, 54.9743, 9.6177



14.5492, 17.8030, 22.9194



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.



37.1610, 52.1365, 80.7788



48.3410, 67.8021, 105.1470



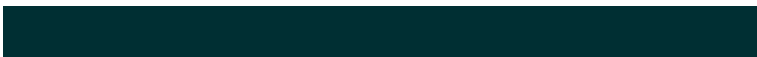
18.2713, 14.3570, 74.4822



14.7159, 16.1532, 18.4866



21.7072, 30.4766, 47.1217



1.6303, 2.3046, 3.4909

Inverse Universe

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



43.4379, 21.0357, 63.4008



56.5295, 27.3758, 82.4435



39.4848, 31.9422, 4.0861



14.9490, 14.5968, 17.9316



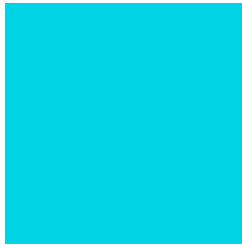
25.3503, 12.2743, 37.0694



1.8865, 0.9123, 2.8090

Previews

White Background



This preview shows how the XYZ color 37.1594, 52.1346, 80.7775 looks on a white background.

Color Contrast Check

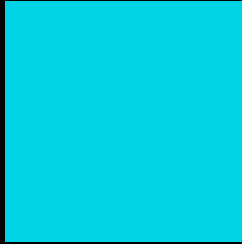
Large Text (above 18pt) WCAG AA × Fail

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 37.1594, 52.1346, 80.7775 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

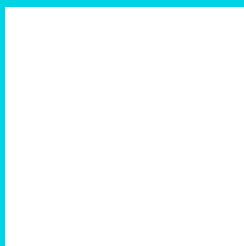
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1594, 52.1346, 80.7775

Background



This preview shows how black text looks on a background with the XYZ color 37.1594, 52.1346, 80.7775.

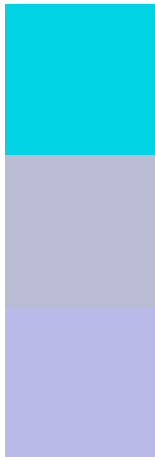


This preview shows how white text looks on a background with the XYZ color 37.1594, 52.1346,

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

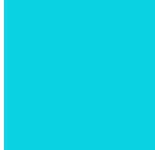
37.1594, 52.1346, 80.7775

Protanopia

50.1166, 51.1590, 69.5206

Deuteranopia

52.5166, 51.4401, 84.2518

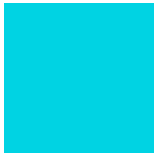
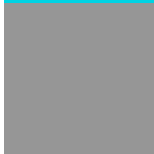
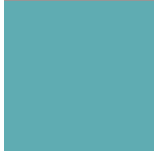


Tritanopia
37.4495, 52.2681, 81.5138

Trichromacy

	Original Color 37.1594, 52.1346, 80.7775
	Protanomaly 39.7355, 48.3412, 72.8821
	Deuteranomaly 41.4101, 48.6513, 82.8094
	Tritanomaly 37.3980, 52.2416, 81.5113

Monochromacy

	Original Color 37.1594, 52.1346, 80.7775
	Achromatopsia 28.9890, 30.4987, 33.2131
	Achromatomaly 27.5077, 35.1523, 47.4547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1594, 52.1346, 80.7775 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, 211, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 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, 211, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.1594, 52.1346, 80.7775 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, 211, 227) }
```


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

```
.border{ border-color:rgb(0, 211, 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, 211, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1594, 52.1346, 80.7775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 227) }
```

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

```
.background{ background-color: rgb(0, 211,  
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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