

Converting Colors

XYZ(34.3741, 51.4071, 64.9188)

Have a look what the booklet for
XYZ(34.3741, 51.4071, 64.9188)
contains.

XYZ(34.3230, 51.3988, 64.6119)	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(34.3230, 51.3988,
64.6119)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4CB
RGB	0, 212, 203
RGB Percent	0%, 83%, 80%
CMY	0.9998, 0.1686, 0.2039
CMYK	1.00, 0.00, 0.04, 0.17
HSL	177°, 100%, 42%
HSV	177°, 100%, 83%
XYZ	34.3230, 51.3988, 64.6119
YIQ	147.5860, -123.4630, -47.7430

Conversions

Conversions Part 2

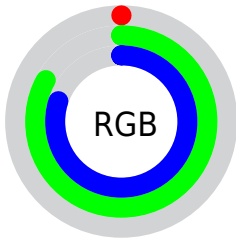
Format	Color
RYB	0, 108, 212
Decimal	54475
CIELab	76.92, -44.46, -7.86
CIELCh	77, 45.150, 190.025
Yxy	51.3988, 0.2283, 0.3419
Android (android.graphics.Color)	4278244555 (0xFF00D4CB)
YUV	147.5860, 27.3191, -129.4329
Hunter-Lab	71.6930, -40.0058, -3.2489

Details

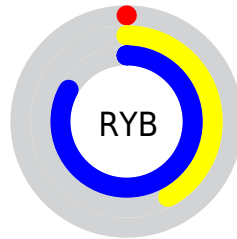
The XYZ color **34.3230, 51.3988, 64.6119** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.2024, 14.0183, 1.5319**, and the grayscale version is **27.9091, 29.3626, 31.9758**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.3133, 25.9469, 32.5295** is the 20% darker color. If you saturate the color by 10%, you get **34.3237, 51.4003, 64.6119**, and if you desaturate by 10%, it is **34.7461, 51.6056, 65.1947**.

Distribution



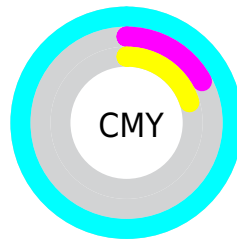
- Red (0%)
- Green (83%)
- Blue (80%)



- Red (0%)
- Yellow (42%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3230, 51.3988, 64.6119 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 34.3230, 51.3988, 64.6119 by changing the saturation by 10% instead.


 34.3230, 51.3988,
64.6119


 34.3230, 51.3988,
64.6119


313.1305,
392.1112, 459.6640


 23.3059, 36.5261,
46.6971


 65.7766, 92.2440,
113.0996


 14.9415, 24.8408,
32.4436


 86.9438, 118.9853,
144.5097


 8.8644, 15.9585,
21.4330

 112.2252,
150.4515, 181.2552

 4.7092, 9.4948,
13.2465

 141.9859,
187.0271, 223.7547

 2.1107, 5.0653,
7.4658

 176.5915,
229.0965, 272.4268

 0.6950, 2.2856,
3.6723

216.4072,

 0.0000, 0.7661,

277.0441, 327.6900

1.4473

261.7984,
331.2542, 389.9629

■ 0.0000, 0.0000,
0.1782

■ 0.0000, 0.0000,
0.0000

■ 34.3230, 51.3988,
64.6119

■ 34.3230, 51.3988,
64.6119

■ 34.3237, 51.4003,
64.6119

■ 34.7461, 51.6056,
65.1947

■ 35.5131, 51.9885,
65.7956

■ 36.7402, 52.6085,
66.4213

■ 38.4907, 53.4983,
67.0749

■ 40.8179, 54.6853,
67.7586

■ 43.7685, 56.1936,
68.4749

■ 47.3845, 58.0448,
69.2255

■ 51.7042, 60.2588,
70.0124

■ 56.7631, 62.8537,
70.8371

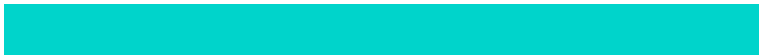
Harmonies

Analogous

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



34.9125, 51.3988, 41.3070



34.3230, 51.3988, 64.6119



37.2622, 51.3988, 92.2431

Triad

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



34.3230, 51.3988, 64.6119



60.2672, 51.3988, 100.5796



54.7171, 51.3988, 22.2335

Complementary

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



34.3230, 51.3988, 64.6119



27.2024, 14.0183, 1.5319

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.



62.6281, 51.3988, 30.7166



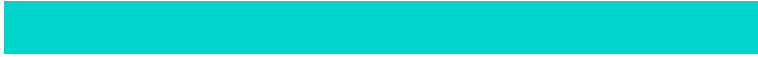
34.3230, 51.3988, 64.6119



66.0838, 51.3988, 73.7344

Square

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



34.3230, 51.3988, 64.6119



51.7858, 51.3988, 116.6852



66.9951, 51.3988, 48.1254



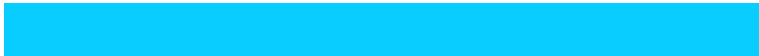
46.0331, 51.3988, 21.1053

Rectangle

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



34.3230, 51.3988, 64.6119



41.0547, 51.3988, 107.7722



66.9951, 51.3988, 48.1254



57.5811, 51.3988, 24.1691

Sweetspot

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



34.3245, 51.4007, 64.6131



71.7663, 88.0567, 105.1030



23.6779, 47.1574, 7.8556



14.8361, 18.5790, 22.3911



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.



34.3245, 51.4007, 64.6131



52.1150, 78.0620, 98.0444



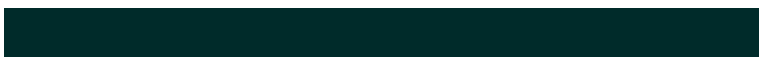
18.2020, 17.3887, 64.6865



12.7683, 14.0983, 15.8605



21.1988, 31.7349, 39.9383



1.2858, 1.9170, 2.4469

Inverse Universe

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



27.2024, 14.0183, 1.5319



41.2994, 21.2838, 2.2429



31.2833, 22.2591, 2.6489



12.4444, 12.4293, 13.0146



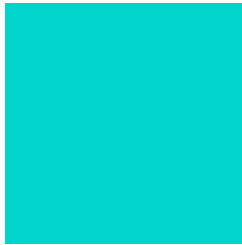
16.8017, 8.6570, 0.9938



1.0211, 0.5252, 0.1004

Previews

White Background



This preview shows how the XYZ color 34.3230, 51.3988, 64.6119 looks on a white background.

Color Contrast Check

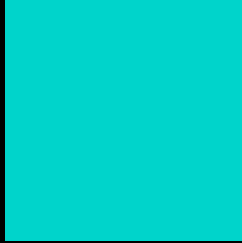
Large Text (above 18pt) WCAG AA × Fail

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 34.3230, 51.3988, 64.6119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

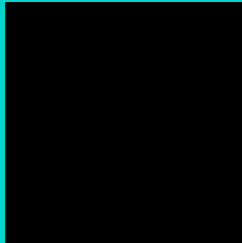
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

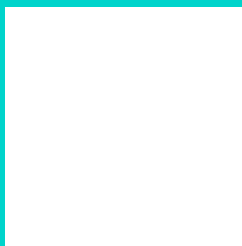
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3230, 51.3988, 64.6119

Background



This preview shows how black text looks on a background with the XYZ color 34.3230, 51.3988, 64.6119.

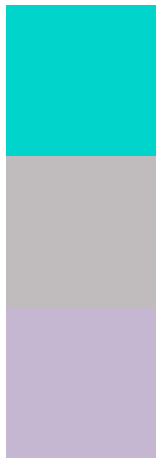


This preview shows how white text looks on a background with the XYZ color 34.3230, 51.3988,

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

34.3230, 51.3988, 64.6119

Protanopia

48.5857, 50.3780, 54.7401

Deuteranopia

51.4681, 50.3407, 67.3257



Tritanopia

37.6546, 51.6728, 79.9407

Trichromacy



Original Color

34.3230, 51.3988, 64.6119



Protanomaly

37.3916, 47.4677, 57.6435



Deuteranomaly

39.0117, 47.4485, 66.1338



Tritanomaly

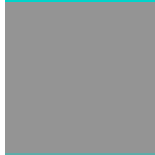
36.2082, 51.4164, 74.3456

Monochromacy



Original Color

34.3230, 51.3988, 64.6119



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.2469, 34.3327, 42.2893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3230, 51.3988, 64.6119 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, 212, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 203)  
}
```

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, 212, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 203) }
```

Border

The CSS property to change the border of an element to XYZ 34.3230, 51.3988, 64.6119 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, 212, 203) }
```


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

```
.border{ border-color:rgb(0, 212, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3230, 51.3988, 64.6119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 203) }
```

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

```
.background{ background-color: rgb(0, 212,  
203) }
```

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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