

Converting Colors

XYZ(34.9286, 51.6410, 67.8013)

Have a look what the booklet for
XYZ(34.9286, 51.6410, 67.8013)
contains.

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Color

**XYZ(34.9286, 51.6410,
67.8013)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4D0
RGB	0, 212, 208
RGB Percent	0%, 83%, 82%
CMY	0.9998, 0.1686, 0.1843
CMYK	1.00, 0.00, 0.02, 0.17
HSL	179°, 100%, 42%
HSV	179°, 100%, 83%
XYZ	34.9286, 51.6410, 67.8013
YIQ	148.1560, -125.0680, -46.1880

Conversions

Conversions Part 2

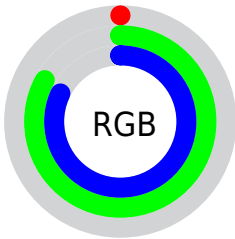
Format	Color
RYB	0, 107, 212
Decimal	54480
CIELab	77.07, -43.01, -10.33
CIELCh	77, 44.230, 193.506
Yxy	51.6410, 0.2263, 0.3345
Android (android.graphics.Color)	4278244560 (0xFF00D4D0)
YUV	148.1560, 29.5031, -129.9328
Hunter-Lab	71.8617, -38.9974, -5.6368

Details

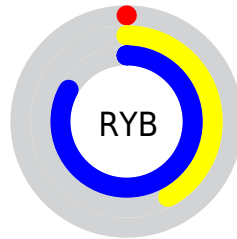
The XYZ color **34.9286, 51.6410, 67.8013** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.1749, 14.0073, 1.3876**, and the grayscale version is **28.1376, 29.6030, 32.2377**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.8897, 26.4470, 34.7338** is the 20% darker color. If you saturate the color by 10%, you get **34.9295, 51.6426, 67.8020**, and if you desaturate by 10%, it is **35.2934, 51.8245, 68.0769**.

Distribution



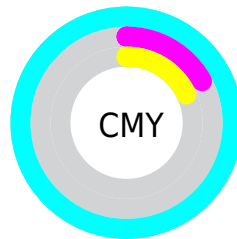
- Red (0%)
- Green (83%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9286, 51.6410, 67.8013 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 34.9286, 51.6410, 67.8013 by changing the saturation by 10% instead.

 34.9286, 51.6410,
67.8013


 34.9286, 51.6410,
67.8013


315.7666,
393.0491, 471.3706


 23.7741, 36.7190,
49.2704


 66.7099, 92.6016,
117.7194


 15.2900, 24.9900,
34.4669


 88.0674, 119.4089,
149.9436


 9.1108, 16.0696,
22.9723


 113.5567,
150.9469, 187.5695

 4.8712, 9.5734,
14.3679

 143.5431,
187.5998, 231.0154

 2.2059, 5.1171,
8.2353

 178.3919,
229.7521, 280.6999

 0.7458, 2.3161,
4.1560

218.4685,

 0.0000, 0.7822,

277.7881, 337.0416

1.7113

264.1383,
332.0923, 400.4590

■ 0.0000, 0.0000,
0.3685

■ 0.0000, 0.0000,
0.0000

■ 34.9286, 51.6410,
67.8013

■ 34.9286, 51.6410,
67.8013

■ 34.9295, 51.6426,
67.8020

■ 35.2934, 51.8245,
68.0769

■ 36.0015, 52.1838,
68.3681

■ 37.1693, 52.7801,
68.6815

■ 38.8599, 53.6459,
69.0200

■ 41.1268, 54.8088,
69.3861

■ 44.0165, 56.2927,
69.7820

■ 47.5711, 58.1194,
70.2096

■ 51.8290, 60.3086,
70.6709

■ 56.8254, 62.8785,
71.1673

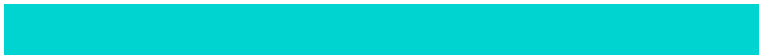
Harmonies

Analogous

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



35.1036, 51.6410, 44.0328



34.9286, 51.6410, 67.8013



38.2241, 51.6410, 94.6968

Triad

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



34.9286, 51.6410, 67.8013



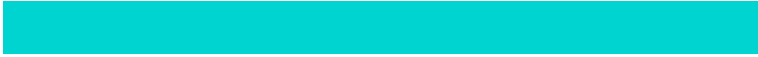
61.1300, 51.6410, 97.1452



53.8387, 51.6410, 22.3898

Complementary

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



34.9286, 51.6410, 67.8013



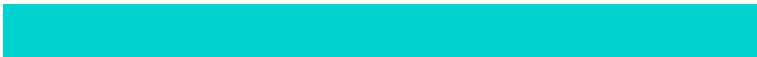
27.1749, 14.0073, 1.3876

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.



61.8258, 51.6410, 29.9083



34.9286, 51.6410, 67.8013



66.3545, 51.6410, 70.4901

Square

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



34.9286, 51.6410, 67.8013



52.9733, 51.6410, 114.6404



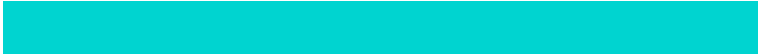
66.6228, 51.6410, 46.0533



45.3884, 51.6410, 22.0518

Rectangle

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



34.9286, 51.6410, 67.8013



42.1908, 51.6410, 108.9528



66.6228, 51.6410, 46.0533



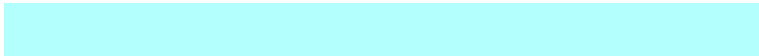
56.6882, 51.6410, 24.0360

Sweetspot

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



34.9302, 51.6429, 67.8025



72.0534, 88.1716, 106.6146



23.6335, 47.1345, 7.8535



14.9060, 18.6069, 22.7595



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.



34.9302, 51.6429, 67.8025



53.0445, 78.4338, 102.9389



17.7997, 16.5840, 64.5523



12.7816, 14.1036, 15.9304



21.5675, 31.8824, 41.8798



1.3042, 1.9243, 2.5434

Inverse Universe

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



27.1749, 14.0073, 1.3876



41.2664, 21.2706, 2.0689



31.6104, 22.9134, 2.7580



12.4327, 12.4246, 12.9527



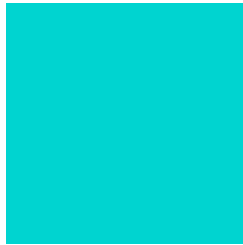
16.7796, 8.6482, 0.8775



1.0155, 0.5230, 0.0709

Previews

White Background



This preview shows how the XYZ color 34.9286, 51.6410, 67.8013 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 34.9286, 51.6410, 67.8013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

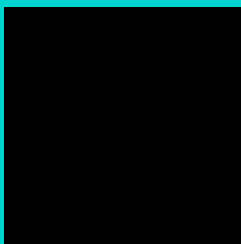
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

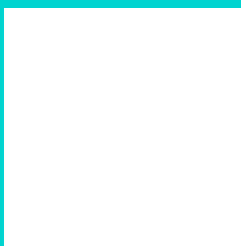
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9286, 51.6410, 67.8013

Background



This preview shows how black text looks on a background with the XYZ color 34.9286, 51.6410, 67.8013.

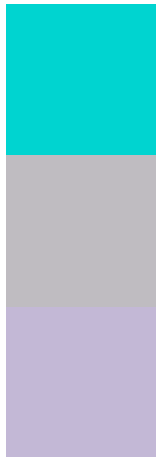


This preview shows how white text looks on a background with the XYZ color 34.9286, 51.6410,

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

34.9286, 51.6410, 67.8013

Protanopia

49.0947, 50.8931, 57.6879

Deuteranopia

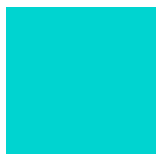
51.7838, 50.7381, 70.6825



Tritanopia

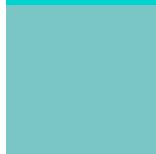
37.4828, 51.5842, 79.9327

Trichromacy



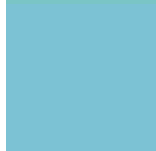
Original Color

34.9286, 51.6410, 67.8013



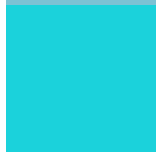
Protanomaly

38.1853, 48.1473, 60.7069



Deuteranomaly

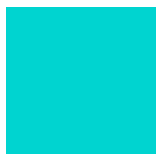
39.4876, 47.6221, 69.3981



Tritanomaly

36.2848, 51.4407, 75.0345

Monochromacy



Original Color

34.9286, 51.6410, 67.8013



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.4347, 34.4078, 43.2783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9286, 51.6410, 67.8013 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 208) }
```

Border

The CSS property to change the border of an element to XYZ 34.9286, 51.6410, 67.8013 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, 208) }
```


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

```
.border{ border-color:rgb(0, 212, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9286, 51.6410, 67.8013 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, 208) }
```

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

```
.background{ background-color: rgb(0, 212,  
208) }
```

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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