

Converting Colors

XYZ(34.6532, 51.3910, 66.7821)

Have a look what the booklet for
XYZ(34.6532, 51.3910, 66.7821)
contains.

XYZ(34.6841, 51.5432, 66.5133)	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(34.6841, 51.5432,
66.5133)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4CE
RGB	0, 212, 206
RGB Percent	0%, 83%, 81%
CMY	0.9998, 0.1686, 0.1922
CMYK	1.00, 0.00, 0.03, 0.17
HSL	178°, 100%, 42%
HSV	178°, 100%, 83%
XYZ	34.6841, 51.5432, 66.5133
YIQ	147.9280, -124.4260, -46.8100

Conversions

Conversions Part 2

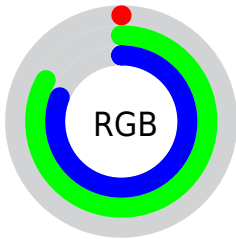
Format	Color
RYB	0, 108, 212
Decimal	54478
CIELab	77.01, -43.59, -9.34
CIELCh	77, 44.581, 192.097
Yxy	51.5432, 0.2271, 0.3375
Android (android.graphics.Color)	4278244558 (0xFF00D4CE)
YUV	147.9280, 28.6295, -129.7329
Hunter-Lab	71.7936, -39.4039, -4.6738

Details

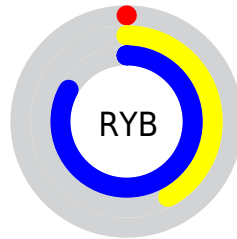
The XYZ color **34.6841, 51.5432, 66.5133** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.1860, 14.0119, 1.4455**, and the grayscale version is **28.0469, 29.5075, 32.1337**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.7245, 26.3809, 33.8636** is the 20% darker color. If you saturate the color by 10%, you get **34.6848, 51.5447, 66.5136**, and if you desaturate by 10%, it is **35.0727, 51.7362, 66.9141**.

Distribution



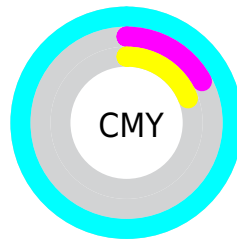
- Red (0%)
- Green (83%)
- Blue (81%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (17%)



- Cyan (100%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6841, 51.5432, 66.5133 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 34.6841, 51.5432, 66.5133 by changing the saturation by 10% instead.


 34.6841, 51.5432,
66.5133


 34.6841, 51.5432,
66.5133


314.7043,
392.6706, 466.6646


 23.5850, 36.6411,
48.2301


 66.3334, 92.4572,
115.8568


 15.1491, 24.9297,
33.6479


 87.6142, 119.2379,
147.7541


 9.0111, 16.0247,
22.3480


 113.0197,
150.7469, 185.0266

 4.8056, 9.5416,
13.9121

 142.9152,
187.3686, 228.0927

 2.1672, 5.0961,
7.9215

 177.6661,
229.4875, 277.3710

 0.7254, 2.3038,
3.9577

217.6376,

 0.0000, 0.7757,

277.4878, 333.2801

1.6022

263.1952,
331.7540, 396.2384

■ 0.0000, 0.0000,
0.2924

■ 0.0000, 0.0000,
0.0000

■ 34.6841, 51.5432,
66.5133

■ 34.6841, 51.5432,
66.5133

■ 34.6848, 51.5447,
66.5136

■ 35.0727, 51.7362,
66.9141

■ 35.8049, 52.1052,
67.3313

■ 36.9969, 52.7112,
67.7715

■ 38.7120, 53.5868,
68.2375

■ 41.0034, 54.7595,
68.7321

■ 43.9179, 56.2534,
69.2572

■ 47.4974, 58.0901,
69.8150

■ 51.7803, 60.2893,
70.4071

■ 56.8020, 62.8694,
71.0352

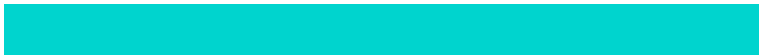
Harmonies

Analogous

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



35.0256, 51.5432, 42.9273



34.6841, 51.5432, 66.5133



37.8361, 51.5432, 93.7121

Triad

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



34.6841, 51.5432, 66.5133



60.7839, 51.5432, 98.5110



54.1883, 51.5432, 22.3252

Complementary

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



34.6841, 51.5432, 66.5133



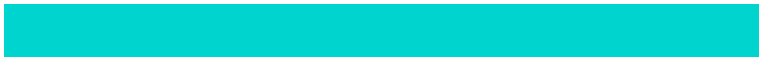
27.1860, 14.0119, 1.4455

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.



62.1458, 51.5432, 30.2278



34.6841, 51.5432, 66.5133



66.2464, 51.5432, 71.7758

Square

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



34.6841, 51.5432, 66.5133



52.4957, 51.5432, 115.4586



66.7718, 51.5432, 46.8732



45.6445, 51.5432, 21.6679

Rectangle

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



34.6841, 51.5432, 66.5133



41.7328, 51.5432, 108.4825



66.7718, 51.5432, 46.8732



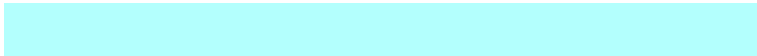
57.0438, 51.5432, 24.0871

Sweetspot

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



34.6856, 51.5451, 66.5145



71.9382, 88.1255, 106.0082



23.6336, 47.1345, 7.8537



14.8779, 18.5957, 22.6117



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.



34.6856, 51.5451, 66.5145



52.6691, 78.2836, 100.9620



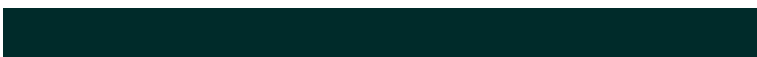
17.8001, 16.5848, 64.5524



12.7763, 14.1015, 15.9024



21.4187, 31.8228, 41.0958



1.2968, 1.9214, 2.5045

Inverse Universe

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



27.1860, 14.0119, 1.4455



41.2796, 21.2758, 2.1383



31.6108, 22.9141, 2.7583



12.4374, 12.4264, 12.9774



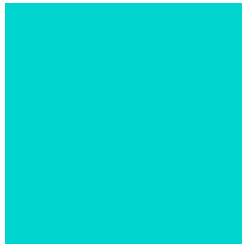
16.7884, 8.6517, 0.9240



1.0177, 0.5239, 0.0827

Previews

White Background



This preview shows how the XYZ color 34.6841, 51.5432, 66.5133 looks on a white background.

Color Contrast Check

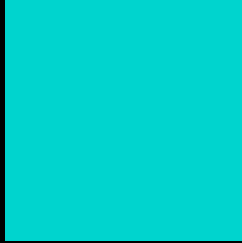
Large Text (above 18pt) WCAG AA × Fail

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 34.6841, 51.5432, 66.5133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

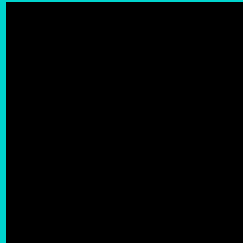
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

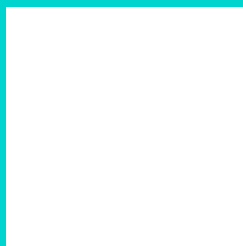
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6841, 51.5432, 66.5133

Background



This preview shows how black text looks on a background with the XYZ color 34.6841, 51.5432, 66.5133.

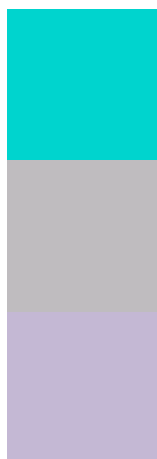


This preview shows how white text looks on a background with the XYZ color 34.6841, 51.5432,

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

34.6841, 51.5432, 66.5133

Protanopia

48.8730, 50.8044, 56.5206

Deuteranopia

51.7891, 50.7702, 69.3574



Tritanopia

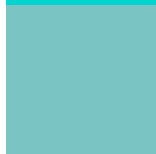
37.5666, 51.6274, 79.9366

Trichromacy



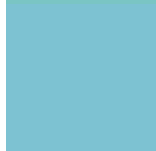
Original Color

34.6841, 51.5432, 66.5133



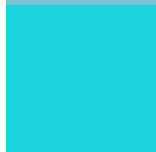
Protanomaly

37.9561, 48.0556, 59.4997



Deuteranomaly

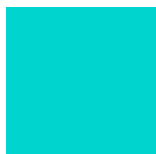
39.3821, 47.5967, 68.0842



Tritanomaly

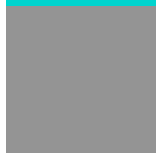
36.3117, 51.4545, 75.0357

Monochromacy



Original Color

34.6841, 51.5432, 66.5133



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.3404, 34.3701, 42.7819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6841, 51.5432, 66.5133 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 206) }
```

Border

The CSS property to change the border of an element to XYZ 34.6841, 51.5432, 66.5133 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, 206) }
```


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

```
.border{ border-color:rgb(0, 212, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6841, 51.5432, 66.5133 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, 206) }
```

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

```
.background{ background-color: rgb(0, 212,  
206) }
```

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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