

Converting Colors

XYZ(34.3936, 50.7904, 66.9464)

Have a look what the booklet for
XYZ(34.3936, 50.7904, 66.9464)
contains.

XYZ(34.3091, 50.5982, 66.9896)	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(34.3091, 50.5982,
66.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2CF
RGB	0, 210, 207
RGB Percent	0%, 82%, 81%
CMY	0.9998, 0.1765, 0.1882
CMYK	1.00, 0.00, 0.01, 0.18
HSL	179°, 100%, 41%
HSV	179°, 100%, 82%
XYZ	34.3091, 50.5982, 66.9896
YIQ	146.8680, -124.1970, -45.4530

Conversions

Conversions Part 2

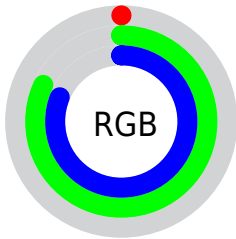
Format	Color
RYB	0, 106, 210
Decimal	53967
CIELab	76.43, -42.42, -10.73
CIELCh	76, 43.755, 194.199
Yxy	50.5982, 0.2259, 0.3331
Android (android.graphics.Color)	4278244047 (0xFF00D2CF)
YUV	146.8680, 29.6451, -128.8032
Hunter-Lab	71.1324, -38.3863, -6.0442

Details

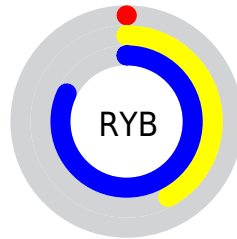
The XYZ color **34.3091, 50.5982, 66.9896** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.5965, 13.7098, 1.3321**, and the grayscale version is **27.6035, 29.0411, 31.6257**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.4711, 25.7426, 34.1850** is the 20% darker color. If you saturate the color by 10%, you get **34.3099, 50.5997, 66.9903**, and if you desaturate by 10%, it is **34.6571, 50.7744, 67.1988**.

Distribution



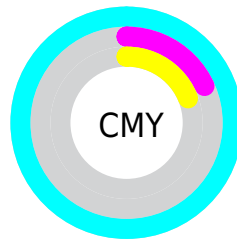
- Red (0%)
- Green (82%)
- Blue (81%)



- Red (0%)
- Yellow (42%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3091, 50.5982, 66.9896 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 34.3091, 50.5982, 66.9896 by changing the saturation by 10% instead.


 34.3091, 50.5982,
66.9896


 34.3091, 50.5982,
66.9896


313.0698,
389.0007, 468.4082


 23.2952, 35.8889,
48.6146


 65.7552, 91.0606,
116.5460


 14.9335, 24.3484,
33.9504


 86.9180, 117.5825,
148.5645


 8.8587, 15.5923,
22.5785


 112.1945,
148.8107, 185.9680

 4.7055, 9.2361,
14.0802

 141.9501,
185.1297, 229.1749

 2.1085, 4.8955,
8.0371

 176.5500,
226.9237, 278.6039

 0.6938, 2.1861,
4.0306

216.3598,

 0.0000, 0.7124,

274.5773, 334.6734

1.6421

261.7446,
328.4749, 397.8020

■ 0.0000, 0.0000,
0.3206

■ 0.0000, 0.0000,
0.0000

■ 34.3091, 50.5982,
66.9896

■ 34.3091, 50.5982,
66.9896

■ 34.3099, 50.5997,
66.9903

■ 34.6571, 50.7744,
67.1988

■ 35.3405, 51.1225,
67.4230

■ 36.4736, 51.7024,
67.6686

■ 38.1181, 52.5459,
67.9385

■ 40.3262, 53.6799,
68.2351

■ 43.1433, 55.1279,
68.5605

■ 46.6106, 56.9111,
68.9168

■ 50.7655, 59.0487,
69.3056

■ 55.6425, 61.5586,
69.7286

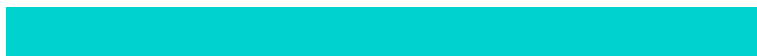
Harmonies

Analogous

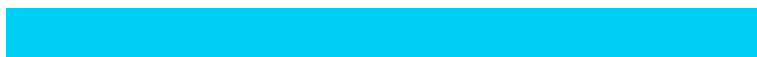
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.4007, 50.5982, 43.6374



34.3091, 50.5982, 66.9896



37.6038, 50.5982, 93.1685

Triad

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



34.3091, 50.5982, 66.9896



60.0052, 50.5982, 94.4480



52.5368, 50.5982, 21.9493

Complementary

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



34.3091, 50.5982, 66.9896



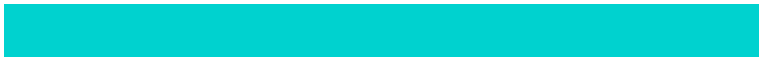
26.5965, 13.7098, 1.3321

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.



60.3690, 50.5982, 29.1269



34.3091, 50.5982, 66.9896



65.0054, 50.5982, 68.3957

Square

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



34.3091, 50.5982, 66.9896



52.0841, 50.5982, 111.8308



65.1457, 50.5982, 44.6952



44.3094, 50.5982, 21.7720

Rectangle

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



34.3091, 50.5982, 66.9896



41.5202, 50.5982, 106.8761



65.1457, 50.5982, 44.6952



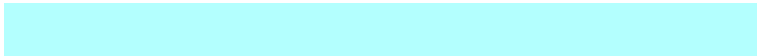
55.3232, 50.5982, 23.5056

Sweetspot

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



34.3106, 50.6001, 66.9908



72.1094, 88.1940, 106.9098



23.0920, 46.1177, 7.6860



14.9197, 18.6124, 22.8315



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.



34.3106, 50.6001, 66.9908



53.2285, 78.5074, 103.9079



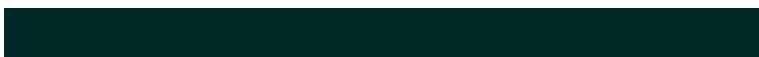
17.0520, 15.4899, 63.0659



12.1508, 13.4041, 15.1505



20.9313, 30.8654, 40.8798



1.1727, 1.7268, 2.2983

Inverse Universe

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



26.5965, 13.7098, 1.3321



41.2600, 21.2680, 2.0352



31.2845, 23.1122, 2.8137



11.8155, 11.8109, 12.3043



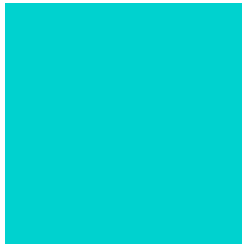
16.2256, 8.3631, 0.8281



0.9097, 0.4686, 0.0593

Previews

White Background



This preview shows how the XYZ color 34.3091, 50.5982, 66.9896 looks on a white background.

Color Contrast Check

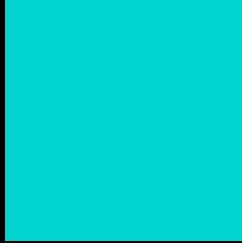
Large Text (above 18pt) WCAG AA × Fail

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 34.3091, 50.5982, 66.9896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

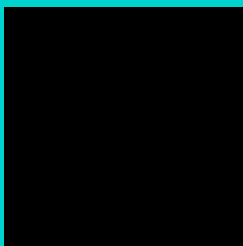
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

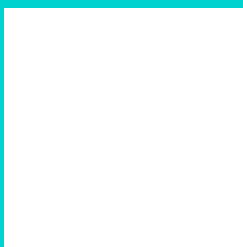
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3091, 50.5982, 66.9896

Background



This preview shows how black text looks on a background with the XYZ color 34.3091, 50.5982, 66.9896.



This preview shows how white text looks on a background with the XYZ color 34.3091, 50.5982,

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

34.3091, 50.5982, 66.9896

Protanopia

48.0596, 49.7424, 56.9374

Deuteranopia

50.7305, 49.5974, 69.8503



Tritanopia

36.6818, 50.4789, 78.3311

Trichromacy



Original Color

34.3091, 50.5982, 66.9896



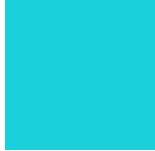
Protanomaly

37.3389, 47.0545, 59.9378



Deuteranomaly

38.7759, 46.6134, 68.5816



Tritanomaly

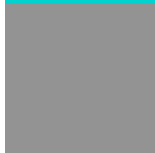
35.6368, 50.3933, 74.1783

Monochromacy



Original Color

34.3091, 50.5982, 66.9896



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.1523, 33.9937, 42.7192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3091, 50.5982, 66.9896 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, 210, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 207)  
}
```

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, 210, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 207) }
```

Border

The CSS property to change the border of an element to XYZ 34.3091, 50.5982, 66.9896 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, 210, 207) }
```


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

```
.border{ border-color:rgb(0, 210, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3091, 50.5982, 66.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 207) }
```

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

```
.background{ background-color: rgb(0, 210,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor