

Converting Colors

XYZ(36.0326, 59.4656, 50.8538)

Have a look what the booklet for
XYZ(36.0326, 59.4656, 50.8538)
contains.

XYZ(36.1333, 59.7282, 50.6986)	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(36.1333, 59.7282,
50.6986)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6B0
RGB	0, 230, 176
RGB Percent	0%, 90%, 69%
CMY	0.9999, 0.0980, 0.3098
CMYK	1.00, 0.00, 0.23, 0.10
HSL	166°, 100%, 45%
HSV	166°, 100%, 90%
XYZ	36.1333, 59.7282, 50.6986
YIQ	155.0740, -119.7460, -65.5540

Conversions

Conversions Part 2

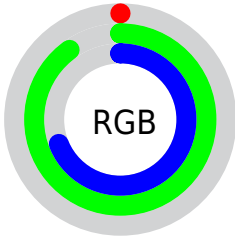
Format	Color
RYB	0, 130, 230
Decimal	59056
CIELab	81.69, -58.87, 13.42
CIELCh	82, 60.378, 167.162
Yxy	59.7282, 0.2465, 0.4075
Android (android.graphics.Color)	4278249136 (0xFF00E6B0)
YUV	155.0740, 10.3165, -135.9999
Hunter-Lab	77.2840, -51.7913, 15.2044

Details

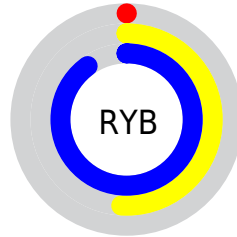
The XYZ color **36.1333, 59.7282, 50.6986** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **33.3014, 17.0910, 5.0382**, and the grayscale version is **31.1875, 32.8117, 35.7320**.

A 20% lighter version of the original color is **56.7559, 80.6612, 88.9218**, and **18.5187, 31.3172, 23.8077** is the 20% darker color. If you saturate the color by 10%, you get **36.1337, 59.7300, 50.6957**, and if you desaturate by 10%, it is **37.0339, 60.1310, 53.5877**.

Distribution



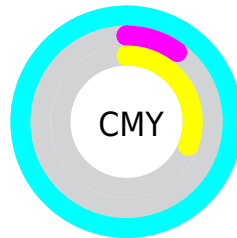
- Red (0%)
- Green (90%)
- Blue (69%)



- Red (0%)
- Yellow (51%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1333, 59.7282, 50.6986 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 36.1333, 59.7282, 50.6986 by changing the saturation by 10% instead.


 36.1333, 59.7282,
50.6986


 36.1333, 59.7282,
50.6986


320.9639,
423.5952, 406.2047


 24.7078, 43.1996,
35.5937


 68.5603, 104.4353,
92.6160


 15.9870, 30.0418,
23.8334


 90.2924, 133.3826,
120.2657


 9.6058, 19.8703,
14.9990


 116.1908,
167.2382, 152.9340

 5.1986, 12.3008,
8.6721

 146.6208,
206.3865, 191.0396

 2.4002, 6.9489,
4.4340

 181.9478,
251.2120, 235.0009

 0.8452, 3.4301,
1.8663

222.5370,

 0.0000, 1.3602,

302.0990, 285.2365

0.4712

268.7539,
359.4320, 342.1649

■ 0.0000, 0.1871,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1333, 59.7282,
50.6986

■ 36.1333, 59.7282,
50.6986

■ 36.1337, 59.7300,
50.6957

■ 37.0339, 60.1310,
53.5877

■ 38.3748, 60.7568,
56.6084

■ 40.2918, 61.6770,
59.7696

■ 42.8627, 62.9319,
63.0761

■ 46.1532, 64.5551,
66.5321

■ 50.2206, 66.5762,
70.1416

■ 55.1165, 69.0219,
73.9080

■ 60.8879, 71.9162,
77.8349

■ 67.5782, 75.2816,
81.9252

Harmonies

Analogous

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



40.6795, 59.7282, 28.1292



36.1333, 59.7282, 50.6986



36.4873, 59.7282, 87.9309

Triad

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



36.1333, 59.7282, 50.6986



64.2850, 59.7282, 157.3606



75.0456, 59.7282, 26.0487

Complementary

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



36.1333, 59.7282, 50.6986



33.3014, 17.0910, 5.0382

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.



83.4460, 59.7282, 46.5026



36.1333, 59.7282, 50.6986



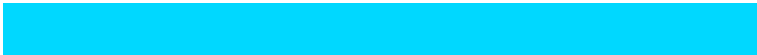
76.6259, 59.7282, 125.1197

Square

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



36.1333, 59.7282, 50.6986



51.5147, 59.7282, 159.8350



84.0640, 59.7282, 81.8447



62.3708, 59.7282, 17.9000

Rectangle

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



36.1333, 59.7282, 50.6986



39.4474, 59.7282, 117.0909



84.0640, 59.7282, 81.8447



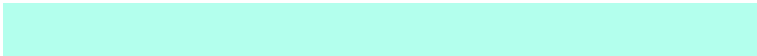
78.5401, 59.7282, 31.2740

Sweetspot

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



36.1349, 59.7305, 50.7000



69.5264, 87.1608, 93.3078



30.0156, 57.4811, 9.5140



14.2936, 18.3620, 19.5348



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.



36.1349, 59.7305, 50.7000



45.6240, 75.4656, 63.8629



29.1339, 35.4137, 80.1656



14.6551, 16.2755, 17.7145



20.5057, 33.8344, 28.9608



1.5504, 2.5143, 2.3251

Inverse Universe

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



33.3014, 17.0910, 5.0382



42.0524, 21.5850, 6.2082



34.1238, 19.8023, 2.0247



14.5150, 14.4232, 15.6463



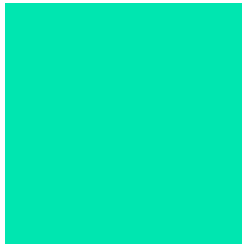
18.8915, 9.6908, 3.0574



1.4315, 0.7303, 0.4126

Previews

White Background



This preview shows how the XYZ color 36.1333, 59.7282, 50.6986 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 36.1333, 59.7282, 50.6986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

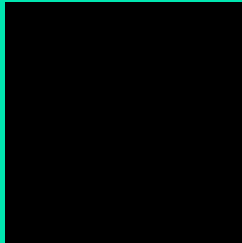
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

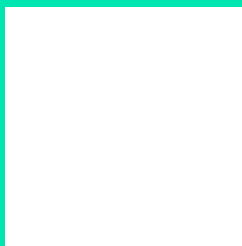
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1333, 59.7282, 50.6986

Background



This preview shows how black text looks on a background with the XYZ color 36.1333, 59.7282, 50.6986.

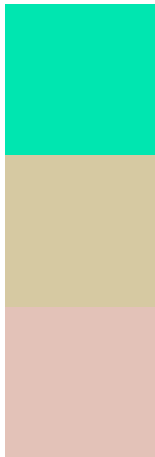


This preview shows how white text looks on a background with the XYZ color 36.1333, 59.7282,

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

36.1333, 59.7282, 50.6986

Protanopia

55.1398, 58.6781, 42.6022

Deuteranopia

59.6221, 58.3752, 53.4725



Tritanopia

44.5219, 59.9115, 91.6556

Trichromacy



Original Color

36.1333, 59.7282, 50.6986



Protanomaly

40.6719, 55.1112, 45.0531



Deuteranomaly

42.1549, 53.8911, 51.8963



Tritanomaly

40.5763, 59.4410, 74.9803

Monochromacy



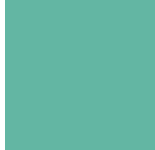
Original Color

36.1333, 59.7282, 50.6986



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.4844, 38.7529, 40.6291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1333, 59.7282, 50.6986 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, 230, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 176)  
}
```

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, 230, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.1333, 59.7282, 50.6986 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, 230, 176) }
```


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

```
.border{ border-color:rgb(0, 230, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1333, 59.7282, 50.6986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 176) }
```

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

```
.background{ background-color: rgb(0, 230,  
176) }
```

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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