

Converting Colors

XYZ(36.4190, 53.3787, 58.0942)

Have a look what the booklet for
XYZ(36.4190, 53.3787, 58.0942)
contains.

XYZ(36.4626, 53.3948, 58.2536)	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(36.4626, 53.3948,
58.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	4BD6C0
RGB	75, 214, 192
RGB Percent	29%, 84%, 75%
CMY	0.7059, 0.1608, 0.2471
CMYK	0.65, 0.00, 0.10, 0.16
HSL	171°, 63%, 57%
HSV	171°, 65%, 84%
XYZ	36.4626, 53.3948, 58.2536
YIQ	169.9310, -75.7820, -36.3100

Conversions

Conversions Part 2

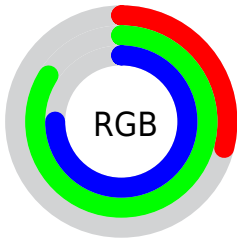
Format	Color
RYB	75, 150, 214
Decimal	4970176
CIELab	78.11, -42.33, -0.11
CIElCh	78, 42.330, 180.146
Yxy	53.3948, 0.2462, 0.3605
Android (android.graphics.Color)	4283160256 (0xFF4BD6C0)
YUV	169.9310, 10.8800, -83.2545
Hunter-Lab	73.0717, -38.8045, 3.8836

Details

The XYZ color **36.4626, 53.3948, 58.2536** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.4070, 20.1927, 13.5005**, and the grayscale version is **38.1501, 40.1369, 43.7091**.

A 20% lighter version of the original color is **63.3507, 83.7863, 101.6404**, and **16.8871, 26.3178, 28.6159** is the 20% darker color. If you saturate the color by 10%, you get **34.6911, 52.5257, 56.2349**, and if you desaturate by 10%, it is **38.8085, 54.5616, 60.3467**.

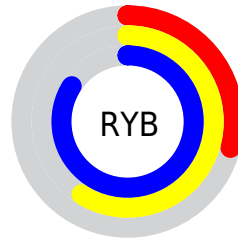
Distribution



Red (29%)

Green (84%)

Blue (75%)



Red (29%)

Yellow (59%)

Blue (84%)

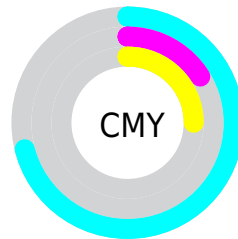


Cyan (65%)

Magenta (0%)

Yellow (10%)

Black (16%)



Cyan (71%)


Magenta (16%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4626, 53.3948, 58.2536 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 36.4626, 53.3948, 58.2536 by changing the saturation by 10% instead.


 36.4626, 53.3948,
58.2536


 36.4626, 53.3948,
58.2536


322.3741,
399.7980, 435.7549


 24.9634, 38.1180,
41.5965


 69.0647, 95.1851,
103.8105


 16.1784, 26.0743,
28.4623


 90.8983, 122.4673,
133.5474

 9.7421, 16.8792,
18.4323


 116.9075,
154.5202, 168.4813

 5.2893, 10.1484,
11.0882

 147.4576,
191.7282, 209.0307

 2.4545, 5.4975,
6.0113

182.9140,
234.4755, 255.6143

 0.8724, 2.5420,
2.7830

223.6419,

 0.0000, 0.8976,

283.1467, 308.6504

0.9849

270.0068,
338.1260, 368.5578

■ 0.0000, 0.0000,
0.0000

■ 36.4626, 53.3948,
58.2536

■ 36.4626, 53.3948,
58.2536

■ 34.6911, 52.5257,
56.2349

■ 38.8085, 54.5616,
60.3467

■ 33.4304, 51.9177,
54.2836

■ 41.7752, 56.0461,
62.5131

■ 32.6098, 51.5355,
52.3975

■ 45.4095, 57.8737,
64.7564

■ 32.2989, 51.3955,
51.4670

■ 49.7524, 60.0657,
67.0788

■ 54.8416, 62.6413,
69.4824

60.7120, 65.6187,
71.9692

67.3966, 69.0147,
74.5409

74.9260, 72.8452,
77.1992

78.5379, 74.6551,
79.7216

Harmonies

Analogous

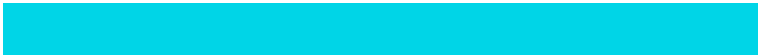
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.1802, 53.3948, 38.3015



36.4626, 53.3948, 58.2536



38.2136, 53.3948, 84.1134

Triad

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



36.4626, 53.3948, 58.2536



59.1545, 53.3948, 107.0299



59.0771, 53.3948, 26.9302

Complementary

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



36.4626, 53.3948, 58.2536



32.4070, 20.1927, 13.5005

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.



65.7663, 53.3948, 38.1500



36.4626, 53.3948, 58.2536



65.8144, 53.3948, 83.8574

Square

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



36.4626, 53.3948, 58.2536



50.7906, 53.3948, 116.5423



68.3536, 53.3948, 58.0223



50.7098, 53.3948, 23.4746

Rectangle

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



36.4626, 53.3948, 58.2536



41.2343, 53.3948, 100.5311



68.3536, 53.3948, 58.0223



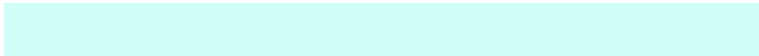
61.6278, 53.3948, 29.7360

Sweetspot

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



36.4641, 53.3969, 58.2549



78.2062, 91.4565, 101.7946



30.3732, 51.2093, 14.9411



16.2763, 19.3411, 21.5677



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.



36.4641, 53.3969, 58.2549



50.7855, 77.7192, 82.5021



28.9820, 34.2351, 68.7013



12.7038, 14.0725, 15.5206



19.5538, 31.0769, 31.2758



1.2026, 1.8837, 2.0086

Inverse Universe

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



32.4070, 20.1927, 13.5005



44.4033, 24.7958, 11.5881



35.8813, 28.5618, 10.2793



12.5026, 12.4525, 13.3210



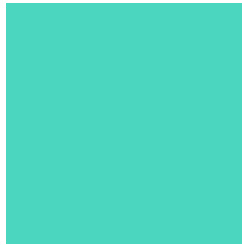
16.9603, 8.7204, 1.8289



1.0486, 0.5362, 0.2453

Previews

White Background



This preview shows how the XYZ color 36.4626, 53.3948, 58.2536 looks on a white background.

Color Contrast Check

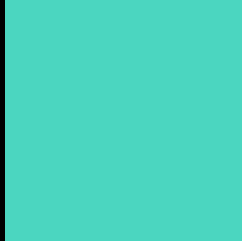
Large Text (above 18pt) WCAG AA × Fail

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 36.4626, 53.3948, 58.2536 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

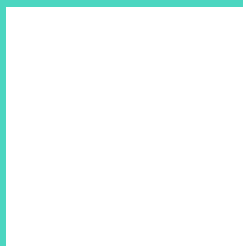
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4626, 53.3948, 58.2536

Background



This preview shows how black text looks on a background with the XYZ color 36.4626, 53.3948, 58.2536.

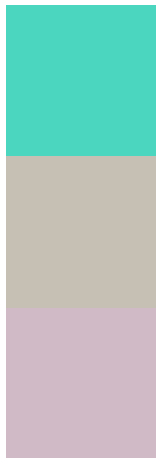


This preview shows how white text looks on a background with the XYZ color 36.4626, 53.3948,

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

36.4626, 53.3948, 58.2536

Protanopia

50.0562, 52.5220, 50.1473

Deuteranopia

53.4841, 52.4604, 60.7330



Tritanopia

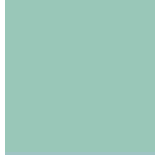
40.7444, 53.2656, 80.0853

Trichromacy



Original Color

36.4626, 53.3948, 58.2536



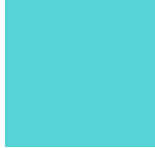
Protanomaly

42.2120, 51.0798, 52.9820



Deuteranomaly

44.0018, 50.8363, 59.7178



Tritanomaly

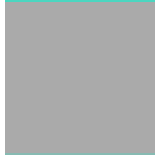
39.1782, 53.3749, 71.8558

Monochromacy



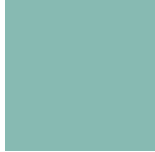
Original Color

36.4626, 53.3948, 58.2536



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.5865, 43.4831, 48.6369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4626, 53.3948, 58.2536 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(75, 214, 192)` looks like.

```
.text, #text, p{  
    color:rgb(75, 214, 192)  
}
```

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(75, 214, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 214, 192) }
```

Border

The CSS property to change the border of an element to XYZ 36.4626, 53.3948, 58.2536 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(75, 214, 192) }
```


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

```
.border{ border-color:rgb(75, 214, 192) }
```

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

Here you see how a box with a 4 pixel rgb(75, 214, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 214, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 214, 192);  
box-shadow:4px 4px 4px 4px rgb(75, 214,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4626, 53.3948, 58.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 214, 192) }
```

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

```
.background{ background-color: rgb(75, 214,  
192) }
```

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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