

Converting Colors

XYZ(36.4203, 50.4745, 66.1167)

Have a look what the booklet for
XYZ(36.4203, 50.4745, 66.1167)
contains.

XYZ(36.5140, 50.6597, 66.2463)	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(36.5140, 50.6597,
66.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	4DCFCE
RGB	77, 207, 206
RGB Percent	30%, 81%, 81%
CMY	0.6980, 0.1882, 0.1922
CMYK	0.63, 0.00, 0.00, 0.19
HSL	180°, 58%, 56%
HSV	180°, 63%, 81%
XYZ	36.5140, 50.6597, 66.2463
YIQ	168.0160, -77.1590, -27.8710

Conversions

Conversions Part 2

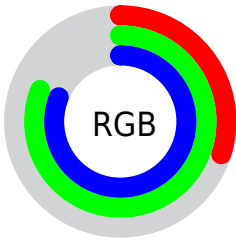
Format	Color
RYB	77, 142, 207
Decimal	5099470
CIELab	76.47, -35.11, -10.04
CIELCh	76, 36.517, 195.953
Yxy	50.6597, 0.2380, 0.3302
Android (android.graphics.Color)	4283289550 (0xFF4DCFCE)
YUV	168.0160, 18.7261, -79.8210
Hunter-Lab	71.1756, -32.9846, -5.3609

Details

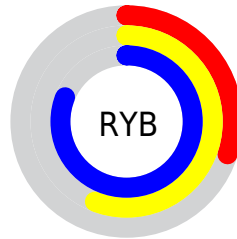
The XYZ color **36.5140, 50.6597, 66.2463** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.7629, 19.1248, 9.3322**, and the grayscale version is **37.1671, 39.1027, 42.5828**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **16.8957, 24.7235, 33.5874** is the 20% darker color. If you saturate the color by 10%, you get **35.0831, 49.9254, 66.0793**, and if you desaturate by 10%, it is **38.4793, 51.6717, 66.4406**.

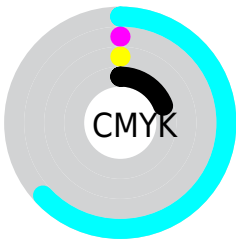
Distribution



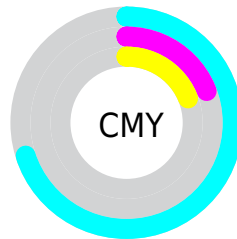
- Red (30%)
- Green (81%)
- Blue (81%)



- Red (30%)
- Yellow (56%)
- Blue (81%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (70%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5140, 50.6597, 66.2463 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 36.5140, 50.6597, 66.2463 by changing the saturation by 10% instead.


 36.5140, 50.6597,
66.2463


 36.5140, 50.6597,
66.2463


322.5938,
389.2402, 465.6855


 25.0034, 35.9379,
48.0146


 69.1434, 91.1516,
115.4701

 16.2083, 24.3862,
33.4784


 90.9928, 117.6904,
147.2994

 9.7635, 15.6204,
22.2191


 117.0193,
148.9369, 184.4982

 5.3035, 9.2559,
13.8181

 147.5881,
185.2757, 227.4852

 2.4630, 4.9085,
7.8570

183.0646,
227.0910, 276.6789

 0.8766, 2.1937,
3.9171

223.8141,

 0.0000, 0.7165,

274.7672, 332.4978

1.5800

270.2021,
328.6888, 395.3605

■ 0.0000, 0.0000,
0.2765

■ 0.0000, 0.0000,
0.0000

■ 36.5140, 50.6597,
66.2463

■ 36.5140, 50.6597,
66.2463

■ 35.0831, 49.9254,
66.0793

■ 38.4793, 51.6717,
66.4406

■ 34.1295, 49.4361,
65.9337

■ 41.0199, 52.9792,
66.6609

■ 33.5918, 49.1611,
65.8076

■ 44.1782, 54.6051,
66.9101

■ 33.3824, 49.0547,
65.7252

■ 47.9910, 56.5685,
67.1901

■ 52.4926, 58.8869,
67.5024

■ 57.7147, 61.5767,
67.8486

■ 63.6871, 64.6533,
68.2299

■ 70.4377, 68.1312,
68.6478

■ 74.8697, 70.4137,
68.9573

Harmonies

Analogous

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



36.4194, 50.6597, 46.4621



36.5140, 50.6597, 66.2463



39.5231, 50.6597, 87.1331

Triad

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



36.5140, 50.6597, 66.2463



58.3029, 50.6597, 85.9299



51.4347, 50.6597, 25.9561

Complementary

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



36.5140, 50.6597, 66.2463



29.7629, 19.1248, 9.3322

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.



57.9501, 50.6597, 32.1562



36.5140, 50.6597, 66.2463



62.1638, 50.6597, 64.8803

Square

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



36.5140, 50.6597, 66.2463



51.8802, 50.6597, 100.2162



62.0288, 50.6597, 45.3848



44.6040, 50.6597, 26.1540

Rectangle

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



36.5140, 50.6597, 66.2463



42.9565, 50.6597, 97.5162



62.0288, 50.6597, 45.3848



53.7472, 50.6597, 27.2825

Sweetspot

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



36.5155, 50.6616, 66.2475



79.3565, 91.9166, 107.8520



26.8924, 46.8329, 14.6448



16.5587, 19.4541, 23.0547



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.



36.5155, 50.6616, 66.2475



55.6717, 79.7270, 105.8231



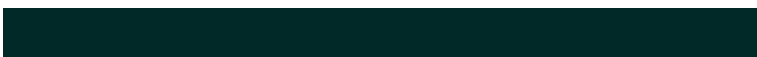
24.3234, 26.0819, 62.7859



12.1543, 13.4055, 15.1690



21.0334, 30.9063, 41.4175



1.1774, 1.7286, 2.3227

Inverse Universe

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



29.7629, 19.1248, 9.3322



44.0200, 25.2829, 7.5951



36.4274, 32.5108, 11.3778



11.8124, 11.8097, 12.2879



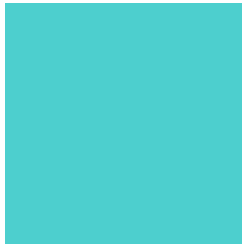
16.2195, 8.3606, 0.7962



0.9082, 0.4680, 0.0515

Previews

White Background



This preview shows how the XYZ color 36.5140, 50.6597, 66.2463 looks on a white background.

Color Contrast Check

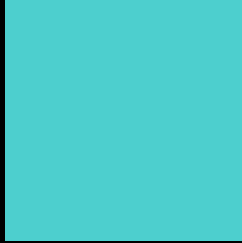
Large Text (above 18pt) WCAG AA × Fail

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 36.5140, 50.6597, 66.2463 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

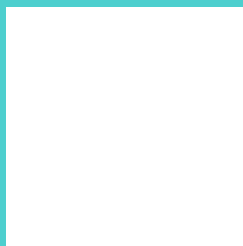
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5140, 50.6597, 66.2463

Background



This preview shows how black text looks on a background with the XYZ color 36.5140, 50.6597, 66.2463.

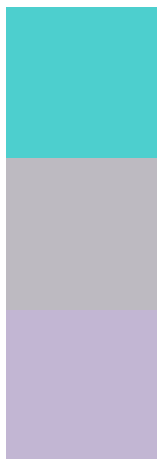


This preview shows how white text looks on a background with the XYZ color 36.5140, 50.6597,

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

36.5140, 50.6597, 66.2463

Protanopia

48.1708, 49.7869, 57.5230

Deuteranopia

50.7340, 49.6284, 68.5333



Tritanopia

38.5386, 50.7679, 76.1746

Trichromacy



Original Color

36.5140, 50.6597, 66.2463



Protanomaly

41.6976, 48.9567, 60.6780



Deuteranomaly

42.9019, 48.4444, 67.4111



Tritanomaly

37.8593, 50.8498, 72.7853

Monochromacy



Original Color

36.5140, 50.6597, 66.2463



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.1631, 41.9842, 50.5064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5140, 50.6597, 66.2463 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(77, 207, 206)` looks like.

```
.text, #text, p{  
    color:rgb(77, 207, 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(77, 207, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 207, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.5140, 50.6597, 66.2463 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(77, 207, 206) }
```


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

```
.border{ border-color:rgb(77, 207, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 207, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 207, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 207, 206);  
box-shadow:4px 4px 4px 4px rgb(77, 207,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5140, 50.6597, 66.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 207, 206) }
```

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

```
.background{ background-color: rgb(77, 207,  
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](#).

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