

Converting Colors

XYZ(36.5631, 49.8899, 53.6767)

Have a look what the booklet for
XYZ(36.5631, 49.8899, 53.6767)
contains.

XYZ(36.5342, 49.8767, 53.6005)	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(36.5342, 49.8767,
53.6005)**

Conversions

Conversions Part 1

Format	Color
Hex	6CCCB9
RGB	108, 204, 185
RGB Percent	42%, 80%, 73%
CMY	0.5765, 0.2000, 0.2745
CMYK	0.47, 0.00, 0.09, 0.20
HSL	168°, 48%, 61%
HSV	168°, 47%, 80%
XYZ	36.5342, 49.8767, 53.6005
YIQ	173.1300, -51.1170, -26.2610

Conversions

Conversions Part 2

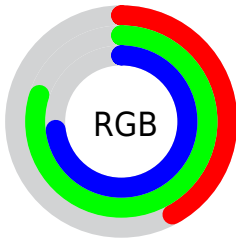
Format	Color
RYB	108, 161, 204
Decimal	7130297
CIELab	75.99, -32.98, 0.69
CIElCh	76, 32.987, 178.800
Yxy	49.8767, 0.2609, 0.3562
Android (android.graphics.Color)	4285320377 (0xFF6CCCB9)
YUV	173.1300, 5.8519, -57.1190
Hunter-Lab	70.6234, -31.2512, 4.4376

Details

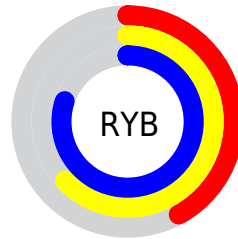
The XYZ color **36.5342, 49.8767, 53.6005** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.0969, 25.0962, 23.1276**, and the grayscale version is **39.7778, 41.8493, 45.5739**.

A 20% lighter version of the original color is **67.1542, 85.8702, 96.2543**, and **16.1789, 23.8138, 25.5736** is the 20% darker color. If you saturate the color by 10%, you get **33.9175, 48.5775, 51.2851**, and if you desaturate by 10%, it is **39.7463, 51.4839, 56.0091**.

Distribution



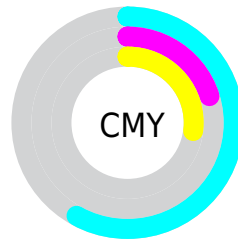
- Red (42%)
- Green (80%)
- Blue (73%)



- Red (42%)
- Yellow (63%)
- Blue (80%)



- Cyan (47%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)



- Cyan (58%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5342, 49.8767, 53.6005 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 36.5342, 49.8767, 53.6005 by changing the saturation by 10% instead.

■ 36.5342, 49.8767,
53.6005

■ 36.5342, 49.8767,
53.6005

322.6801,
386.1836, 417.7162

■ 25.0191, 35.3154,
37.8914

■ 69.1743, 89.9922,
96.9379

■ 16.2201, 23.9060,
25.5972

■ 91.0300, 116.3152,
125.4032

■ 9.7718, 15.2639,
16.2995

■ 117.0632,
147.3275, 158.9577

■ 5.3091, 9.0048,
9.5797

147.6393,
183.4136, 198.0199

■ 2.4663, 4.7443,
5.0192

183.1237,
224.9579, 243.0083

■ 0.8783, 2.0980,
2.1996

223.8818,

■ 0.0000, 0.6635,

272.3447, 294.3414

0.6741

270.2788,
325.9585, 352.4379

■ 0.0000, 0.0000,
0.0000

■ 36.5342, 49.8767,
53.6005

■ 36.5342, 49.8767,
53.6005

■ 33.9175, 48.5775,
51.2851

■ 39.7463, 51.4839,
56.0091

■ 31.8508, 47.5593,
49.0571

■ 43.5868, 53.4123,
58.5098

■ 30.2889, 46.7999,
46.9149


■ 48.0912, 55.6817,
61.1057


■ 29.1774, 46.2713,
44.8554


■ 53.2911, 58.3081,
63.7990


■ 28.4432, 45.9359,
42.8747


■ 59.2162, 61.3069,
66.5914

 28.2606, 45.8542,
42.3051

 65.8943, 64.6925,
69.4847

 73.3519, 68.4784,
72.4807

 75.3979, 69.4731,
75.2901

 75.9307, 69.6863,
78.0958

Harmonies

Analogous

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



37.9894, 49.8767, 38.5775



36.5342, 49.8767, 53.6005



37.7759, 49.8767, 72.3208

Triad

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



36.5342, 49.8767, 53.6005



53.3375, 49.8767, 89.7402



53.8032, 49.8767, 30.1745

Complementary

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



36.5342, 49.8767, 53.6005



34.0969, 25.0962, 23.1276

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.



58.5483, 49.8767, 39.5647



36.5342, 49.8767, 53.6005



58.2635, 49.8767, 73.8192

Square

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



36.5342, 49.8767, 53.6005



47.1589, 49.8767, 95.7157



60.2460, 49.8767, 55.0202



47.6546, 49.8767, 26.9866

Rectangle

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



36.5342, 49.8767, 53.6005



40.0324, 49.8767, 83.9993



60.2460, 49.8767, 55.0202



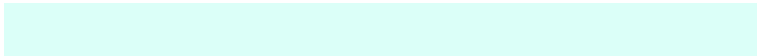
55.6343, 49.8767, 32.5941

Sweetspot

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



36.5356, 49.8787, 53.6017



81.9967, 93.3998, 102.4592



33.0835, 48.7979, 21.8636



17.1655, 19.7970, 21.7243



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.



36.5356, 49.8787, 53.6017



56.2960, 80.5093, 85.0536



32.4539, 38.2875, 62.8087



11.4444, 12.6875, 13.8975



17.8204, 28.8735, 26.8030



0.9442, 1.4995, 1.5139

Inverse Universe

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



34.0969, 25.0962, 23.1276



51.8243, 34.7997, 28.9770



36.5276, 31.7562, 18.3927



11.3016, 11.2494, 12.1228



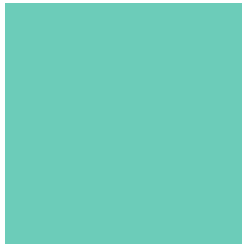
15.9454, 8.1887, 2.1650



0.8501, 0.4334, 0.2563

Previews

White Background



This preview shows how the XYZ color 36.5342, 49.8767, 53.6005 looks on a white background.

Color Contrast Check

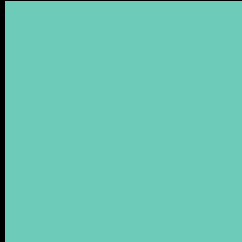
Large Text (above 18pt) WCAG AA × Fail

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 36.5342, 49.8767, 53.6005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

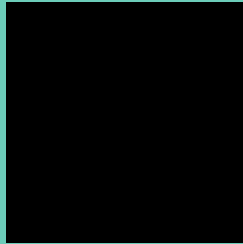
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

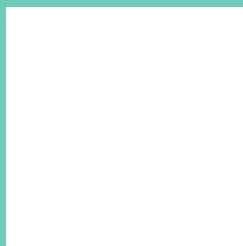
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5342, 49.8767, 53.6005

Background



This preview shows how black text looks on a background with the XYZ color 36.5342, 49.8767, 53.6005.



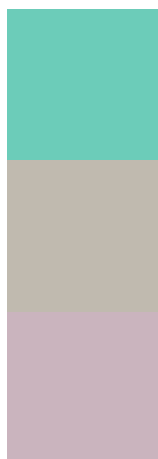
This preview shows how white text looks on a background with the XYZ color 36.5342, 49.8767,

53.6005.

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

36.5342, 49.8767, 53.6005

Protanopia

47.0350, 49.4194, 47.6173

Deuteranopia

49.9726, 48.9168, 55.5232



Tritanopia

40.3851, 50.0483, 72.4975

Trichromacy



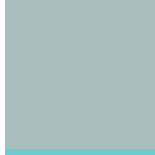
Original Color

36.5342, 49.8767, 53.6005



Protanomaly

41.9046, 48.9717, 49.8917



Deuteranomaly

43.4231, 48.3509, 54.6210



Tritanomaly

38.8455, 49.7585, 65.3146

Monochromacy



Original Color

36.5342, 49.8767, 53.6005



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.4707, 43.8449, 48.0830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5342, 49.8767, 53.6005 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(108, 204, 185)` looks like.

```
.text, #text, p{  
    color:rgb(108, 204, 185)  
}
```

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(108, 204, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 204, 185) }
```

Border

The CSS property to change the border of an element to XYZ 36.5342, 49.8767, 53.6005 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(108, 204, 185) }
```


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

```
.border{ border-color:rgb(108, 204, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 204, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 204, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 204, 185); box-shadow:4px 4px 4px 4px rgb(108, 204, 185) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5342, 49.8767, 53.6005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 204, 185) }
```

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

```
.background{ background-color: rgb(108,  
204, 185) }
```

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