

Converting Colors

XYZ(35.9992, 49.2403, 64.6675)

Have a look what the booklet for
XYZ(35.9992, 49.2403, 64.6675)
contains.

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Color

**XYZ(36.0592, 49.3844,
64.7584)**

Conversions

Conversions Part 1

Format	Color
Hex	53CCCC
RGB	83, 204, 204
RGB Percent	33%, 80%, 80%
CMY	0.6745, 0.2000, 0.2000
CMYK	0.59, 0.00, 0.00, 0.20
HSL	180°, 54%, 56%
HSV	180°, 59%, 80%
XYZ	36.0592, 49.3844, 64.7584
YIQ	167.8210, -72.1160, -25.6520

Conversions

Conversions Part 2

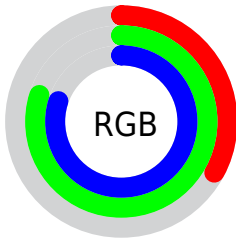
Format	Color
RYB	83, 144, 204
Decimal	5491916
CIELab	75.69, -33.25, -10.11
CIELCh	76, 34.755, 196.907
Yxy	49.3844, 0.2401, 0.3288
Android (android.graphics.Color)	4283681996 (0xFF53CCCC)
YUV	167.8210, 17.8362, -74.3880
Hunter-Lab	70.2740, -31.3872, -5.4447

Details

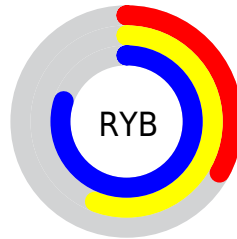
The XYZ color **36.0592, 49.3844, 64.7584** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.5580, 19.6498, 10.4200**, and the grayscale version is **37.0738, 39.0045, 42.4759**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **16.2525, 23.6969, 32.5715** is the 20% darker color. If you saturate the color by 10%, you get **34.5177, 48.5908, 64.6872**, and if you desaturate by 10%, it is **38.1331, 50.4547, 64.8568**.

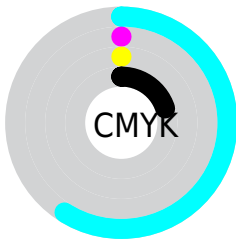
Distribution



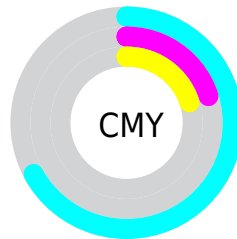
- Red (33%)
- Green (80%)
- Blue (80%)



- Red (33%)
- Yellow (56%)
- Blue (80%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (67%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0592, 49.3844, 64.7584 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 36.0592, 49.3844, 64.7584 by changing the saturation by 10% instead.

36.0592, 49.3844,
64.7584

36.0592, 49.3844,
64.7584

320.6459,
384.2537, 460.2057

24.6502, 34.9245,
46.8151

68.4467, 89.2621,
113.3124

15.9440, 23.6047,
32.5362

90.1560, 115.4487,
144.7602

9.5751, 15.0407,
21.5032

116.0294,
146.3130, 181.5465

5.1783, 8.8479,
13.2975

146.4323,
182.2394, 224.0900

2.3881, 4.6421,
7.5006

181.7300,
223.6122, 272.8091

0.8392, 2.0389,
3.6939

222.2880,

0.0000, 0.6299,

270.8160, 328.1223

1.4590

268.4715,
324.2350, 390.4484

■ 0.0000, 0.0000,
0.1871

■ 0.0000, 0.0000,
0.0000

■ 36.0592, 49.3844,
64.7584

■ 36.0592, 49.3844,
64.7584

■ 34.5177, 48.5908,
64.6872

■ 38.1331, 50.4547,
64.8568

■ 33.4561, 48.0436,
64.6373


■ 40.7772, 51.8177,
64.9807


■ 32.8194, 47.7153,
64.6073


■ 44.0307, 53.4950,
65.1332


■ 32.5103, 47.5560,
64.5926


■ 47.9285, 55.5043,
65.3158


 32.4928, 47.5470,
64.5918

 52.5024, 57.8623,
65.5300

 57.7825, 60.5843,
65.7773

 63.7970, 63.6848,
66.0590

 70.5723, 67.1776,
66.3763

 73.7333, 68.8072,
66.5244

Harmonies

Analogous

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



35.8806, 49.3844, 46.1306



36.0592, 49.3844, 64.7584



38.9763, 49.3844, 84.0495

Triad

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



36.0592, 49.3844, 64.7584



56.5744, 49.3844, 81.8219



49.7999, 49.3844, 26.0971

Complementary

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



36.0592, 49.3844, 64.7584



29.5580, 19.6498, 10.4200

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.



55.9170, 49.3844, 31.8085



36.0592, 49.3844, 64.7584



60.0624, 49.3844, 62.2121

Square

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



36.0592, 49.3844, 64.7584



50.6325, 49.3844, 95.3414



59.8114, 49.3844, 44.1029



43.4285, 49.3844, 26.4762

Rectangle

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



36.0592, 49.3844, 64.7584



42.2469, 49.3844, 93.4365



59.8114, 49.3844, 44.1029



51.9650, 49.3844, 27.3009

Sweetspot

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



36.0607, 49.3863, 64.7596



80.1327, 92.3099, 108.2013



26.9035, 45.7443, 15.5963



16.7124, 19.5317, 23.1389



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.



36.0607, 49.3863, 64.7596



56.6297, 80.1937, 107.0996



24.6724, 26.6094, 60.9646



11.5433, 12.7271, 14.4185



20.4506, 29.9255, 40.6534



1.0550, 1.5438, 2.0973

Inverse Universe

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



29.5580, 19.6498, 10.4200



44.9199, 26.6447, 9.2456



36.0613, 32.6564, 12.5874



11.2124, 11.2137, 11.6530



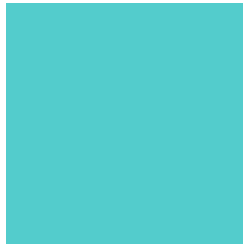
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 36.0592, 49.3844, 64.7584 looks on a white background.

Color Contrast Check

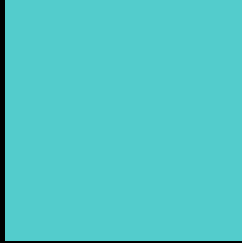
Large Text (above 18pt) WCAG AA × Fail

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 36.0592, 49.3844, 64.7584 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

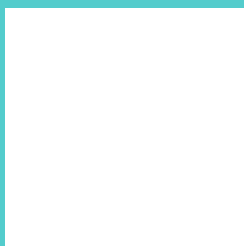
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0592, 49.3844, 64.7584

Background



This preview shows how black text looks on a background with the XYZ color 36.0592, 49.3844, 64.7584.

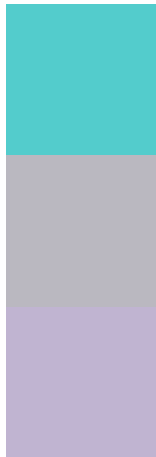


This preview shows how white text looks on a background with the XYZ color 36.0592, 49.3844,

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

36.0592, 49.3844, 64.7584

Protanopia

46.9046, 48.5259, 56.7635

Deuteranopia

49.5681, 48.4524, 67.0613



Tritanopia

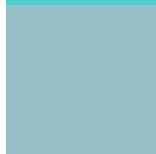
37.8952, 49.4269, 73.8727

Trichromacy



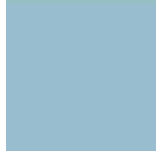
Original Color

36.0592, 49.3844, 64.7584



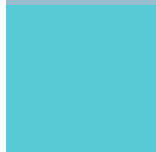
Protanomaly

40.9890, 47.6367, 59.2590



Deuteranomaly

42.4090, 47.5756, 65.9793



Tritanomaly

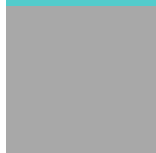
37.2967, 49.5422, 70.5477

Monochromacy



Original Color

36.0592, 49.3844, 64.7584



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.1809, 41.7023, 49.9112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0592, 49.3844, 64.7584 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(83, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(83, 204, 204)  
}
```

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(83, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 204, 204) }
```

Border

The CSS property to change the border of an element to XYZ 36.0592, 49.3844, 64.7584 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(83, 204, 204) }
```


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

```
.border{ border-color:rgb(83, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(83, 204,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0592, 49.3844, 64.7584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 204, 204) }
```

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

```
.background{ background-color: rgb(83, 204,  
204) }
```

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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