

Converting Colors

XYZ(35.1386, 49.4368, 49.1816)

Have a look what the booklet for
XYZ(35.1386, 49.4368, 49.1816)
contains.

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Color

**XYZ(35.2466, 49.6617,
49.3230)**

Conversions

Conversions Part 1

Format	Color
Hex	66CDB1
RGB	102, 205, 177
RGB Percent	40%, 80%, 69%
CMY	0.6000, 0.1961, 0.3059
CMYK	0.50, 0.00, 0.14, 0.20
HSL	164°, 51%, 60%
HSV	164°, 50%, 80%
XYZ	35.2466, 49.6617, 49.3230
YIQ	171.0110, -52.4000, -30.5440

Conversions

Conversions Part 2

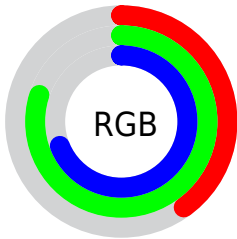
Format	Color
RYB	102, 162, 205
Decimal	6737329
CIELab	75.86, -36.73, 4.78
CIELCh	76, 37.041, 172.585
Yxy	49.6617, 0.2626, 0.3700
Android (android.graphics.Color)	4284927409 (0xFF66CDB1)
YUV	171.0110, 2.9526, -60.5226
Hunter-Lab	70.4711, -34.0463, 7.8324

Details

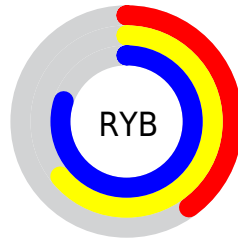
The XYZ color **35.2466, 49.6617, 49.3230** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.9591, 24.0948, 23.9818**, and the grayscale version is **38.7198, 40.7363, 44.3618**.

A 20% lighter version of the original color is **64.7661, 84.7741, 90.0403**, and **15.4195, 23.7190, 22.8343** is the 20% darker color. If you saturate the color by 10%, you get **32.6604, 48.3926, 46.3619**, and if you desaturate by 10%, it is **38.4327, 51.2400, 52.4328**.

Distribution



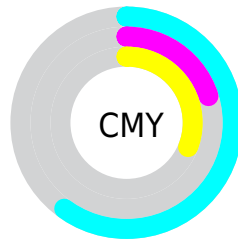
- Red (40%)
- Green (80%)
- Blue (69%)



- Red (40%)
- Yellow (64%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2466, 49.6617, 49.3230 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 35.2466, 49.6617, 49.3230 by changing the saturation by 10% instead.

■ 35.2466, 49.6617,
49.3230

■ 35.2466, 49.6617,
49.3230

317.1445,
385.3415, 400.6715

■ 24.0203, 35.1447,
34.5084

■ 67.1991, 89.6734,
90.5569

■ 15.4735, 23.7743,
23.0039

■ 88.6561, 115.9369,
117.8133

■ 9.2408, 15.1663,
14.3911

■ 114.2539,
146.8847, 150.0540

■ 4.9570, 8.9362,
8.2513

■ 144.3580,
182.9011, 187.6976

■ 2.2565, 4.6996,
4.1661

179.3338,
224.3706, 231.1626

■ 0.7723, 2.0721,
1.7169

219.5466,

■ 0.0000, 0.6489,

271.6776, 280.8676

0.3723

265.3617,
325.2064, 337.2310

■ 0.0000, 0.0000,
0.0000

■ 35.2466, 49.6617,
49.3230

■ 35.2466, 49.6617,
49.3230

■ 32.6604, 48.3926,
46.3619

■ 38.4327, 51.2400,
52.4328

■ 30.6264, 47.4044,
43.5426

■ 42.2536, 53.1415,
55.6911

■ 29.0967, 46.6735,
40.8625

■ 46.7462, 55.3867,
59.1020

■ 28.0126, 46.1698,
38.3175

■ 51.9435, 57.9925,
62.6684

■ 27.2786, 45.8429,
35.9582

■ 57.8761, 60.9746,
66.3929

■ 64.5731, 64.3479,
70.2784

■ 72.0616, 68.1265,
74.3272

■ 76.2018, 70.1762,
78.3470

■ 76.9595, 70.4793,
82.3372

Harmonies

Analogous

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



37.4429, 49.6617, 34.1424



35.2466, 49.6617, 49.3230



35.9968, 49.6617, 69.9912

Triad

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



35.2466, 49.6617, 49.3230



52.4744, 49.6617, 97.2110



55.7169, 49.6617, 29.1910

Complementary

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



35.2466, 49.6617, 49.3230



33.9591, 24.0948, 23.9818

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.



60.5200, 49.6617, 40.7724



35.2466, 49.6617, 49.3230



58.5246, 49.6617, 80.5549

Square

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



35.2466, 49.6617, 49.3230



45.5128, 49.6617, 101.0940



61.5945, 49.6617, 59.1189



48.9324, 49.6617, 24.5023

Rectangle

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



35.2466, 49.6617, 49.3230



38.1048, 49.6617, 84.0225



61.5945, 49.6617, 59.1189



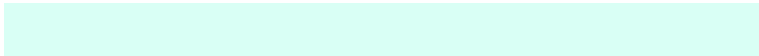
57.6427, 49.6617, 32.2494

Sweetspot

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



35.2480, 49.6637, 49.3241



80.7216, 92.8017, 99.7255



33.6196, 49.4639, 20.3468



16.8943, 19.6712, 21.0796



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.



35.2480, 49.6637, 49.3241



53.3012, 79.1695, 75.6928



33.3687, 40.9708, 63.9093



11.4081, 12.6730, 13.7062



17.0230, 28.5545, 22.6037



0.9090, 1.4854, 1.3281

Inverse Universe

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



33.9591, 24.0948, 23.9818



50.9945, 32.7640, 29.8598



34.8240, 28.4346, 16.2242



11.3355, 11.2629, 12.3015



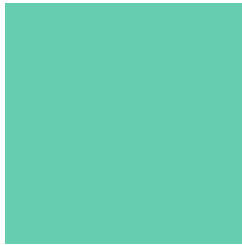
16.1484, 8.2699, 3.2339



0.8656, 0.4396, 0.3379

Previews

White Background



This preview shows how the XYZ color 35.2466, 49.6617, 49.3230 looks on a white background.

Color Contrast Check

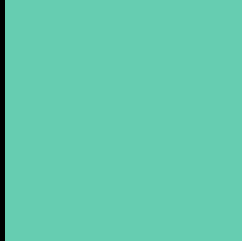
Large Text (above 18pt) WCAG AA × Fail

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 35.2466, 49.6617, 49.3230 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

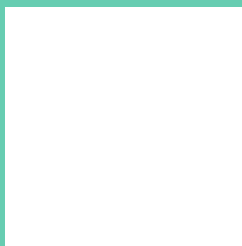
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2466, 49.6617, 49.3230

Background



This preview shows how black text looks on a background with the XYZ color 35.2466, 49.6617, 49.3230.



This preview shows how white text looks on a background with the XYZ color 35.2466, 49.6617,

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

35.2466, 49.6617, 49.3230

Protanopia

46.4800, 48.9204, 43.0692

Deuteranopia

49.9416, 48.9991, 51.0815



Tritanopia

39.9884, 49.8438, 72.4790

Trichromacy



Original Color

35.2466, 49.6617, 49.3230



Protanomaly

40.8033, 48.1786, 45.1791



Deuteranomaly

42.5843, 48.0153, 50.2035



Tritanomaly

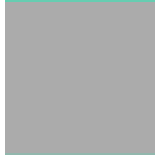
38.2116, 49.8203, 63.4794

Monochromacy



Original Color

35.2466, 49.6617, 49.3230



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.3304, 42.9951, 45.9192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2466, 49.6617, 49.3230 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(102, 205, 177)` looks like.

```
.text, #text, p{  
    color:rgb(102, 205, 177)  
}
```

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(102, 205, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 205, 177) }
```

Border

The CSS property to change the border of an element to XYZ 35.2466, 49.6617, 49.3230 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(102, 205, 177) }
```


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

```
.border{ border-color:rgb(102, 205, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 205, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 205, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 205, 177);  
box-shadow:4px 4px 4px 4px rgb(102, 205,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2466, 49.6617, 49.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 205, 177) }
```

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

```
.background{ background-color: rgb(102,  
205, 177) }
```

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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