

Converting Colors

XYZ(36.6085, 49.5268, 50.9573)

Have a look what the booklet for
XYZ(36.6085, 49.5268, 50.9573)
contains.

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Color

**XYZ(36.6644, 49.6520,
50.8314)**

Conversions

Conversions Part 1

Format	Color
Hex	73CBB4
RGB	115, 203, 180
RGB Percent	45%, 80%, 71%
CMY	0.5490, 0.2039, 0.2941
CMYK	0.43, 0.00, 0.11, 0.20
HSL	164°, 46%, 62%
HSV	164°, 43%, 80%
XYZ	36.6644, 49.6520, 50.8314
YIQ	174.0660, -45.0650, -25.8090

Conversions

Conversions Part 2

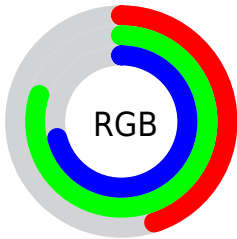
Format	Color
RYB	115, 166, 203
Decimal	7588788
CIELab	75.86, -31.95, 3.22
CIElCh	76, 32.114, 174.245
Yxy	49.6520, 0.2673, 0.3620
Android (android.graphics.Color)	4285778868 (0xFF73CBB4)
YUV	174.0660, 2.9255, -51.8009
Hunter-Lab	70.4642, -30.4340, 6.5543

Details

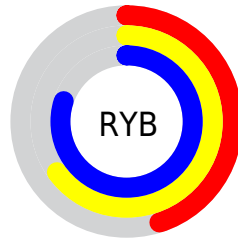
The XYZ color **36.6644, 49.6520, 50.8314** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3485, 26.7943, 27.3554**, and the grayscale version is **40.2692, 42.3663, 46.1369**.

A 20% lighter version of the original color is **67.6949, 86.2341, 92.4338**, and **16.2243, 23.6419, 23.7869** is the 20% darker color. If you saturate the color by 10%, you get **33.7532, 48.2138, 47.9279**, and if you desaturate by 10%, it is **40.1868, 51.4055, 53.8737**.

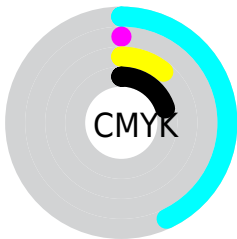
Distribution



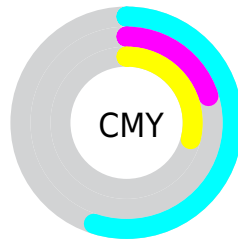
- Red (45%)
- Green (80%)
- Blue (71%)



- Red (45%)
- Yellow (65%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)





- Cyan (55%)
- Magenta (20%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6644, 49.6520, 50.8314 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 36.6644, 49.6520, 50.8314 by changing the saturation by 10% instead.


 36.6644, 49.6520,
50.8314


 36.6644, 49.6520,
50.8314


323.2361,
385.3035, 406.7362


 25.1202, 35.1370,
35.6987


 69.3735, 89.6591,
92.8145

 16.2959, 23.7684,
23.9137


 91.2692, 115.9199,
120.5018

 9.8259, 15.1619,
15.0580


 117.3461,
146.8647, 153.2112

 5.3451, 8.9331,
8.7130

147.9695,
182.8780, 191.3610

 2.4879, 4.6976,
4.4602

183.5049,
224.3441, 235.3699

 0.8892, 2.0709,
1.8811

224.3175,

 0.0000, 0.6482,

271.6475, 285.6564

0.4806

270.7728,
325.1725, 342.6390

■ 0.0000, 0.0000,
0.0000

■ 36.6644, 49.6520,
50.8314

■ 36.6644, 49.6520,
50.8314

■ 33.7532, 48.2138,
47.9279

■ 40.1868, 51.4055,
53.8737

■ 31.4099, 47.0647,
45.1569

■ 44.3521, 53.4867,
57.0541

■ 29.5919, 46.1840,
42.5160

■ 49.1943, 55.9144,
60.3767


■ 28.2486, 45.5458,
40.0017


■ 54.7442, 58.7045,
63.8439


■ 27.3190, 45.1185,
37.6100

■ 61.0305, 61.8717,
67.4581

 26.8571, 44.9137,
36.0832

 68.0802, 65.4299,
71.2219

 75.1401, 68.9909,
75.1009

 75.8422, 69.2718,
78.7983

 76.5667, 69.5616,
82.6136

Harmonies

Analogous

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



38.4736, 49.6520, 37.0326



36.6644, 49.6520, 50.8314



37.4774, 49.6520, 68.7234

Triad

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



36.6644, 49.6520, 50.8314



52.0671, 49.6520, 89.9356



54.2258, 49.6520, 31.5244

Complementary

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



36.6644, 49.6520, 50.8314



35.3485, 26.7943, 27.3554

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.



58.4568, 49.6520, 41.6509



36.6644, 49.6520, 50.8314



57.1387, 49.6520, 75.6465

Square

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



36.6644, 49.6520, 50.8314



46.0506, 49.6520, 93.8304



59.5652, 49.6520, 57.4279



48.3536, 49.6520, 27.4984

Rectangle

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



36.6644, 49.6520, 50.8314



39.4351, 49.6520, 80.4090



59.5652, 49.6520, 57.4279



55.9063, 49.6520, 34.2093

Sweetspot

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



36.6658, 49.6540, 50.8325



82.5243, 93.7003, 101.1952



35.0106, 49.3949, 23.9095



17.2528, 19.8495, 21.3889



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.



36.6658, 49.6540, 50.8325



56.8062, 80.8722, 80.5626



34.6750, 41.6058, 62.7054



11.4132, 12.6750, 13.7332



17.1301, 28.5973, 23.1678



0.9138, 1.4873, 1.3534

Inverse Universe

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



35.3485, 26.7943, 27.3554



54.3397, 37.7139, 36.3405



36.4633, 31.4129, 20.3620



11.3307, 11.2610, 12.2761



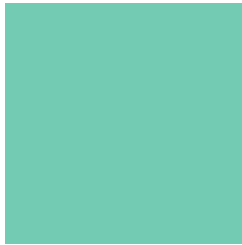
16.1155, 8.2568, 3.0612



0.8634, 0.4387, 0.3263

Previews

White Background



This preview shows how the XYZ color 36.6644, 49.6520, 50.8314 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 36.6644, 49.6520, 50.8314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

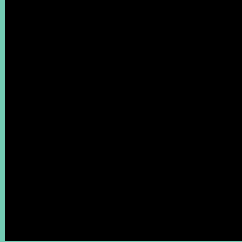
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6644, 49.6520, 50.8314

Background



This preview shows how black text looks on a background with the XYZ color 36.6644, 49.6520, 50.8314.

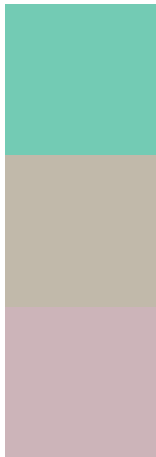


This preview shows how white text looks on a background with the XYZ color 36.6644, 49.6520,

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

36.6644, 49.6520, 50.8314

Protanopia

46.5970, 48.9377, 45.0202

Deuteranopia

49.9801, 48.9827, 52.7193



Tritanopia

40.6439, 49.5283, 71.0361

Trichromacy



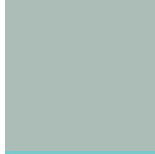
Original Color

36.6644, 49.6520, 50.8314



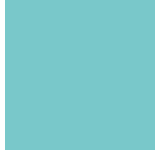
Protanomaly

42.0067, 48.7546, 47.2410



Deuteranomaly

43.5437, 48.1560, 51.7998



Tritanomaly

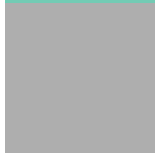
39.2001, 49.6378, 63.3921

Monochromacy



Original Color

36.6644, 49.6520, 50.8314



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.3223, 44.6048, 47.6641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6644, 49.6520, 50.8314 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(115, 203, 180)` looks like.

```
.text, #text, p{  
    color:rgb(115, 203, 180)  
}
```

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(115, 203, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 203, 180) }
```

Border

The CSS property to change the border of an element to XYZ 36.6644, 49.6520, 50.8314 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(115, 203, 180) }
```


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

```
.border{ border-color:rgb(115, 203, 180) }
```

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

Here you see how a box with a 4 pixel rgb(115, 203, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 203, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 203, 180);  
box-shadow:4px 4px 4px 4px rgb(115, 203,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6644, 49.6520, 50.8314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 203, 180) }
```

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

```
.background{ background-color: rgb(115,  
203, 180) }
```

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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