

Converting Colors

XYZ(36.5585, 45.5403, 54.2767)

Have a look what the booklet for
XYZ(36.5585, 45.5403, 54.2767)
contains.

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Color

**XYZ(36.6100, 45.4816,
54.4262)**

Conversions

Conversions Part 1

Format	Color
Hex	80BFBC
RGB	128, 191, 188
RGB Percent	50%, 75%, 74%
CMY	0.4980, 0.2510, 0.2627
CMYK	0.33, 0.00, 0.02, 0.25
HSL	177°, 33%, 63%
HSV	177°, 33%, 75%
XYZ	36.6100, 45.4816, 54.4262
YIQ	171.8210, -36.5850, -14.2890

Conversions

Conversions Part 2

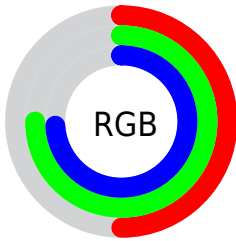
Format	Color
R_{YB}	128, 160, 191
Decimal	8437692
CIE _{Lab}	73.21, -20.72, -4.92
CIE _{LCh}	73, 21.297, 193.353
Yxy	45.4816, 0.2682, 0.3332
Android (android.graphics.Color)	4286627772 (0xFF80BFBC)
YUV	171.8210, 7.9762, -38.4310
Hunter-Lab	67.4400, -21.1209, -0.6408

Details

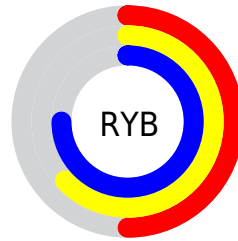
The XYZ color **36.6100, 45.4816, 54.4262** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.3034, 28.1548, 25.1537**, and the grayscale version is **39.0975, 41.1336, 44.7945**.

A 20% lighter version of the original color is **69.4250, 83.7337, 98.0911**, and **16.2205, 21.1364, 26.1465** is the 20% darker color. If you saturate the color by 10%, you get **33.9057, 44.0999, 53.7900**, and if you desaturate by 10%, it is **39.8584, 47.1460, 55.0931**.

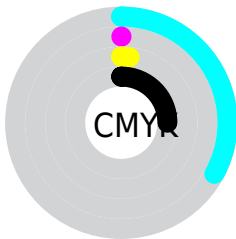
Distribution



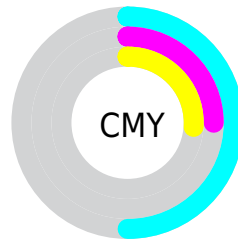
- Red (50%)
- Green (75%)
- Blue (74%)



- Red (50%)
- Yellow (63%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)



- Cyan (50%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6100, 45.4816, 54.4262 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 36.6100, 45.4816, 54.4262 by changing the saturation by 10% instead.

■ 36.6100, 45.4816,
54.4262

■ 36.6100, 45.4816,
54.4262

323.0039,
368.7206, 420.9536

■ 25.0780, 31.8369,
38.5470

■ 69.2903, 83.4426,
98.1624

■ 16.2642, 21.2370,
26.1024

■ 91.1692, 108.5278,
126.8566

■ 9.8033, 13.2973,
16.6738

■ 117.2279,
138.1952, 160.6594

■ 5.3300, 7.6336,
9.8427

147.8316,
172.8294, 199.9896

■ 2.4789, 3.8614,
5.1906

183.3457,
212.8146, 245.2655

■ 0.8846, 1.5963,
2.2988

224.1355,

■ 0.0000, 0.3551,

258.5352, 296.9058

0.7306

270.5665,
310.3758, 355.3290

■ 0.0000, 0.0000,
0.0000

■ 36.6100, 45.4816,
54.4262

■ 36.6100, 45.4816,
54.4262

■ 33.9057, 44.0999,
53.7900

■ 39.8584, 47.1460,
55.0931

■ 31.7110, 42.9797,
53.1799

■ 43.6749, 49.1020,
55.7888

■ 29.9939, 42.1057,
52.5953

■ 48.0870, 51.3650,
56.5156

■ 28.7169, 41.4585,
52.0346

■ 53.1192, 53.9476,
57.2747

■ 27.8371, 41.0159,
51.4956

■ 58.7945, 56.8617,
58.0671

■ 27.3030, 40.7515,
50.9761

■ 65.1348, 60.1185,
58.8940

■ 27.0649, 40.6364,
50.6198

■ 69.6511, 62.4349,
59.6387

■ 69.7539, 62.4760,
60.1802

■ 69.8573, 62.5174,
60.7249

Harmonies

Analogous

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



36.7057, 45.4816, 43.8592



36.6100, 45.4816, 54.4262



38.2134, 45.4816, 65.0287

Triad

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



36.6100, 45.4816, 54.4262



48.3498, 45.4816, 66.0366



45.3195, 45.4816, 32.3116

Complementary

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



36.6100, 45.4816, 54.4262



33.3034, 28.1548, 25.1537

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.



48.6651, 45.4816, 36.6995



36.6100, 45.4816, 54.4262



50.4824, 45.4816, 55.6518

Square

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



36.6100, 45.4816, 54.4262



44.9091, 45.4816, 72.3546



50.6010, 45.4816, 44.9211



41.5911, 45.4816, 32.0819

Rectangle

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



36.6100, 45.4816, 54.4262



40.0868, 45.4816, 70.2775



50.6010, 45.4816, 44.9211



46.5311, 45.4816, 33.3169

Sweetspot

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



36.6113, 45.4834, 54.4272



80.3417, 89.0270, 100.2762



31.9118, 43.6592, 27.1683



17.4052, 19.4280, 21.9796



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.6113, 45.4834, 54.4272



61.7776, 79.5191, 96.5982



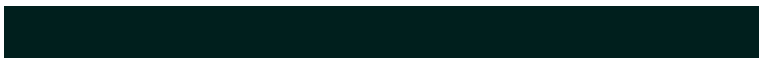
31.3426, 34.4226, 54.2845



9.7884, 10.8015, 12.1352



17.7947, 26.7081, 33.3111



0.7031, 1.0486, 1.3370

Inverse Universe

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



33.3034, 28.1548, 25.1537



54.8957, 43.4505, 35.6845



37.3310, 36.5310, 25.5068



9.5481, 9.5435, 10.0093



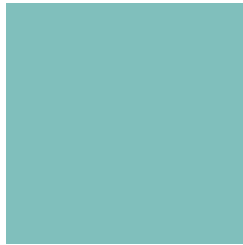
14.1615, 7.2958, 0.8782



0.5611, 0.2883, 0.0680

Previews

White Background



This preview shows how the XYZ color 36.6100, 45.4816, 54.4262 looks on a white background.

Color Contrast Check

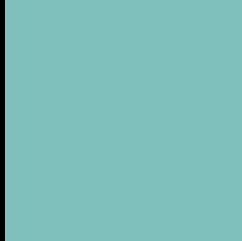
Large Text (above 18pt) WCAG AA × Fail

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 36.6100, 45.4816, 54.4262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

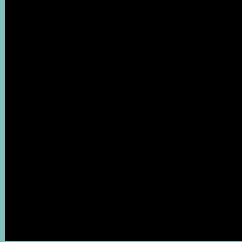
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6100, 45.4816, 54.4262

Background



This preview shows how black text looks on a background with the XYZ color 36.6100, 45.4816, 54.4262.

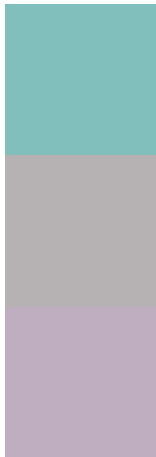


This preview shows how white text looks on a background with the XYZ color 36.6100, 45.4816,

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

36.6100, 45.4816, 54.4262

Protanopia

43.4500, 45.0812, 49.5915

Deuteranopia

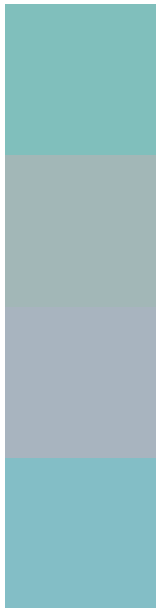
46.1363, 45.1542, 56.1532



Tritanopia

38.6124, 45.6604, 63.9050

Trichromacy



Original Color

36.6100, 45.4816, 54.4262

Protanomaly

40.3810, 44.9673, 51.3510

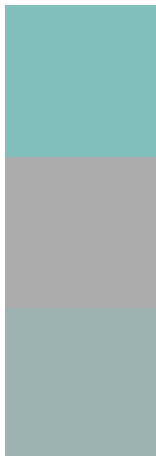
Deuteranomaly

41.8737, 44.7289, 55.7168

Tritanomaly

37.9666, 45.7294, 60.2517

Monochromacy



Original Color

36.6100, 45.4816, 54.4262

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8663, 42.5225, 48.3314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6100, 45.4816, 54.4262 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(128, 191, 188)` looks like.

```
.text, #text, p{  
    color:rgb(128, 191, 188)  
}
```

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(128, 191, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 191, 188) }
```

Border

The CSS property to change the border of an element to XYZ 36.6100, 45.4816, 54.4262 is called "border". The border property can be set on classes, ids or directly on the HTML element.

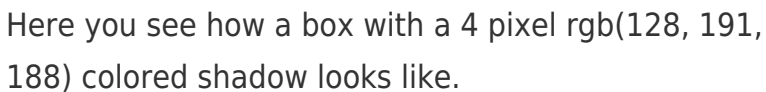
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 191, 188) }
```


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

```
.border{ border-color:rgb(128, 191, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 191, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 191, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 191, 188); box-shadow:4px 4px 4px 4px rgb(128, 191, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6100, 45.4816, 54.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 191, 188) }
```

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

```
.background{ background-color: rgb(128,  
191, 188) }
```

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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