

Converting Colors

XYZ(36.0635, 45.6987, 46.4511)

Have a look what the booklet for
XYZ(36.0635, 45.6987, 46.4511)
contains.

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Color

**XYZ(36.0653, 45.7029,
46.4559)**

Conversions

Conversions Part 1

Format	Color
Hex	85C0AD
RGB	133, 192, 173
RGB Percent	52%, 75%, 68%
CMY	0.4784, 0.2470, 0.3216
CMYK	0.31, 0.00, 0.10, 0.25
HSL	161°, 32%, 64%
HSV	161°, 31%, 75%
XYZ	36.0653, 45.7029, 46.4559
YIQ	172.1930, -29.0650, -18.4170

Conversions

Conversions Part 2

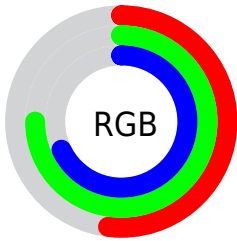
Format	Color
RYB	133, 168, 192
Decimal	8765613
CIELab	73.35, -23.16, 3.49
CIELCh	73, 23.419, 171.427
Yxy	45.7029, 0.2813, 0.3564
Android (android.graphics.Color)	4286955693 (0xFF85C0AD)
YUV	172.1930, 0.3979, -34.3723
Hunter-Lab	67.6039, -23.0808, 6.5800

Details

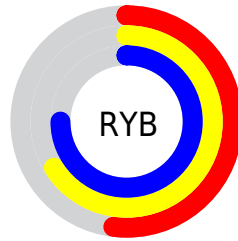
The XYZ color **36.0653, 45.7029, 46.4559** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.7948, 30.2497, 33.6597**, and the grayscale version is **39.3200, 41.3677, 45.0494**.

A 20% lighter version of the original color is **68.6183, 84.0442, 86.0044**, and **15.9330, 21.3068, 21.3620** is the 20% darker color. If you saturate the color by 10%, you get **32.7223, 44.0483, 43.2485**, and if you desaturate by 10%, it is **39.9927, 47.6580, 49.8372**.

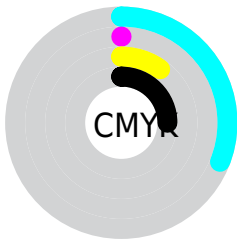
Distribution



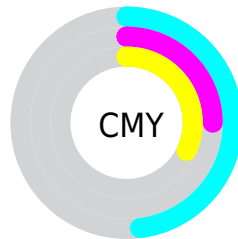
- Red (52%)
- Green (75%)
- Blue (68%)



- Red (52%)
- Yellow (66%)
- Blue (75%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)





- Cyan (48%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0653, 45.7029, 46.4559 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 36.0653, 45.7029, 46.4559 by changing the saturation by 10% instead.


 36.0653, 45.7029,
46.4559


 36.0653, 45.7029,
46.4559


320.6721,
369.6129, 388.9692

 24.6550, 32.0114,
32.2545


 68.4561, 83.7742,
86.2423

 15.9475, 21.3702,
21.2895


 90.1672, 108.9228,
112.6644

 9.5777, 13.3949,
13.1425


 116.0427,
138.6593, 143.9972

 5.1799, 7.7010,
7.3949

146.4478,
173.3679, 180.6591

 2.3891, 3.9042,
3.6281

181.7479,
213.4333, 223.0687

 0.8397, 1.6201,
1.4236

222.3085,

 0.0000, 0.3711,

259.2396, 271.6445

0.1600

268.4948,
311.1713, 326.8052

■ 0.0000, 0.0000,
0.0000

■ 36.0653, 45.7029,
46.4559

■ 36.0653, 45.7029,
46.4559

■ 32.7223, 44.0483,
43.2485

■ 39.9927, 47.6580,
49.8372

■ 29.9292, 42.6728,
40.2086

■ 44.5288, 49.9225,
53.3925

■ 27.6539, 41.5611,
37.3335

■ 49.7015, 52.5118,
57.1259

■ 25.8590, 40.6940,
34.6197

■ 55.5355, 55.4387,
61.0404

■ 24.5021, 40.0497,
32.0629

■ 62.0542, 58.7153,
65.1390

■ 23.5330, 39.6023,
29.6588

■ 69.2800, 62.3530,
69.4243

■ 22.8909, 39.3171,
27.5604

■ 72.5223, 63.9336,
73.6787

■ 73.3385, 64.2601,
77.9767

■ 74.1851, 64.5987,
82.4350

Harmonies

Analogous

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



37.5338, 45.7029, 36.9115



36.0653, 45.7029, 46.4559



36.4724, 45.7029, 58.5223

Triad

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



36.0653, 45.7029, 46.4559



46.3989, 45.7029, 74.0188



48.5697, 45.7029, 34.0451

Complementary

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



36.0653, 45.7029, 46.4559



35.7948, 30.2497, 33.6597

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.



51.2411, 45.7029, 41.9239



36.0653, 45.7029, 46.4559



49.9337, 45.7029, 65.2962

Square

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



36.0653, 45.7029, 46.4559



42.2687, 45.7029, 75.7456



51.7554, 45.7029, 53.2228



44.6312, 45.7029, 30.5263

Rectangle

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



36.0653, 45.7029, 46.4559



37.7645, 45.7029, 66.3398



51.7554, 45.7029, 53.2228



49.6557, 45.7029, 36.2064

Sweetspot

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



36.0666, 45.7048, 46.4569



82.0881, 91.1569, 97.7909



36.1587, 46.1345, 29.1901



17.3308, 19.4162, 20.7706



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.



36.0666, 45.7048, 46.4569



61.0789, 80.6950, 80.1509



35.9508, 42.3182, 56.1447



10.2261, 11.3715, 12.1938



15.4393, 26.4698, 18.7383



0.6975, 1.1558, 0.9696

Inverse Universe

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



35.7948, 30.2497, 33.6597



60.5123, 48.1647, 53.2422



35.7707, 32.4960, 26.5780



10.2039, 10.1302, 11.1644



15.2415, 7.7863, 3.9177



0.6906, 0.3492, 0.3379

Previews

White Background



This preview shows how the XYZ color 36.0653, 45.7029, 46.4559 looks on a white background.

Color Contrast Check

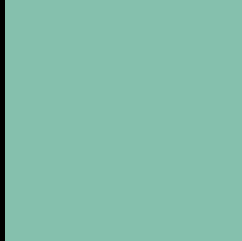
Large Text (above 18pt) WCAG AA × Fail

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 36.0653, 45.7029, 46.4559 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

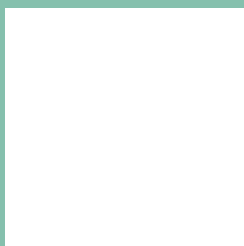
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0653, 45.7029, 46.4559

Background



This preview shows how black text looks on a background with the XYZ color 36.0653, 45.7029, 46.4559.



This preview shows how white text looks on a background with the XYZ color 36.0653, 45.7029,

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

36.0653, 45.7029, 46.4559

Protanopia

43.2527, 45.4325, 42.5661

Deuteranopia

46.3606, 45.4522, 47.9247



Tritanopia

39.4102, 45.7672, 63.2567

Trichromacy



Original Color

36.0653, 45.7029, 46.4559

Protanomaly

40.2383, 45.3610, 44.1709

Deuteranomaly

41.8159, 45.1810, 47.5912

Tritanomaly

38.0286, 45.5193, 56.6510

Monochromacy



Original Color

36.0653, 45.7029, 46.4559

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.6670, 42.4879, 45.2454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0653, 45.7029, 46.4559 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(133, 192, 173)` looks like.

```
.text, #text, p{  
    color:rgb(133, 192, 173)  
}
```

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(133, 192, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 192, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.0653, 45.7029, 46.4559 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(133, 192, 173) }
```


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

```
.border{ border-color:rgb(133, 192, 173) }
```

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

Here you see how a box with a 4 pixel rgb(133, 192, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 192, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 192, 173);  
box-shadow:4px 4px 4px 4px rgb(133, 192,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0653, 45.7029, 46.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 192, 173) }
```

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

```
.background{ background-color: rgb(133,  
192, 173) }
```

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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