

Converting Colors

XYZ(36.6461, 45.2634, 44.7188)

Have a look what the booklet for
XYZ(36.6461, 45.2634, 44.7188)
contains.

XYZ(36.8245, 45.4800, 44.8679)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.8245, 45.4800,
44.8679)**

Conversions

Conversions Part 1

Format	Color
Hex	8EBEAA
RGB	142, 190, 170
RGB Percent	56%, 75%, 67%
CMY	0.4431, 0.2549, 0.3333
CMYK	0.25, 0.00, 0.11, 0.25
HSL	155°, 27%, 65%
HSV	155°, 25%, 75%
XYZ	36.8245, 45.4800, 44.8679
YIQ	173.3680, -22.1880, -16.3960

Conversions

Conversions Part 2

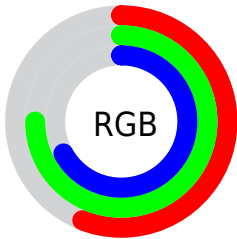
Format	Color
RYB	142, 172, 190
Decimal	9354922
CIELab	73.21, -20.01, 4.98
CIELCh	73, 20.617, 166.035
Yxy	45.4800, 0.2896, 0.3576
Android (android.graphics.Color)	4287545002 (0xFF8EBEAA)
YUV	173.3680, -1.6604, -27.5097
Hunter-Lab	67.4389, -20.5494, 7.7608

Details

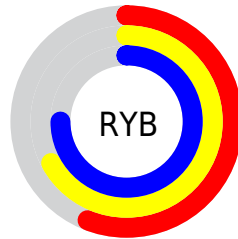
The XYZ color **36.8245, 45.4800, 44.8679** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.4314, 32.9029, 38.5624**, and the grayscale version is **39.9257, 42.0049, 45.7434**.

A 20% lighter version of the original color is **69.5723, 83.2181, 83.6300**, and **16.2906, 21.0900, 20.3517** is the 20% darker color. If you saturate the color by 10%, you get **33.1119, 43.6513, 40.9020**, and if you desaturate by 10%, it is **41.1404, 47.6170, 49.0995**.

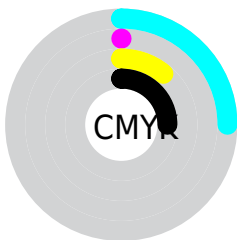
Distribution



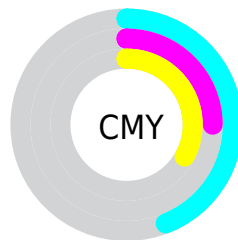
- Red (56%)
- Green (75%)
- Blue (67%)



- Red (56%)
- Yellow (67%)
- Blue (75%)



- Cyan (25%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)



- Cyan (44%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8245, 45.4800, 44.8679 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 36.8245, 45.4800, 44.8679 by changing the saturation by 10% instead.

■ 36.8245, 45.4800,
44.8679

■ 36.8245, 45.4800,
44.8679

323.9188,
368.7141, 382.3828

■ 25.2447, 31.8357,
31.0112

■ 69.6184, 83.4402,
83.8385

■ 16.3892, 21.2360,
20.3488

■ 91.5631, 108.5249,
109.7895

■ 9.8925, 13.2966,
12.4623

117.6936,
138.1919, 140.6089

■ 5.3895, 7.6331,
6.9330

148.3751,
172.8255, 176.7155

■ 2.5146, 3.8611,
3.3424

183.9730,
212.8101, 218.5276

■ 0.9026, 1.5962,
1.2720

224.8527,

■ 0.0000, 0.3550,

258.5301, 266.4638

0.0387

271.3795,
310.3700, 320.9427

■ 0.0000, 0.0000,
0.0000

■ 36.8245, 45.4800,
44.8679

■ 36.8245, 45.4800,
44.8679

■ 33.1119, 43.6513,
40.9020

■ 41.1404, 47.6170,
49.0995

■ 29.9700, 42.1104,
37.1932

■ 46.0828, 50.0704,
53.5989

■ 27.3684, 40.8430,
33.7369

■ 51.6782, 52.8551,
58.3724

■ 25.2726, 39.8315,
30.5272

■ 57.9505, 55.9832,
63.4247

■ 23.6437, 39.0558,
27.5576

■ 64.9222, 59.4664,
68.7608

■ 22.4369, 38.4930,
24.8216

■ 72.2446, 63.1247,
74.3678

■ 21.5973, 38.1148,
22.3117

■ 73.3028, 63.5480,
79.9399

■ 21.2742, 37.9726,
21.1980

■ 74.4110, 63.9913,
85.7760

■ 75.5701, 64.4549,
91.8795

Harmonies

Analogous

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



38.4132, 45.4800, 36.9418



36.8245, 45.4800, 44.8679



36.8830, 45.4800, 55.2269

Triad

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



36.8245, 45.4800, 44.8679



45.1767, 45.4800, 71.2310



48.2365, 45.4800, 36.5250

Complementary

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



36.8245, 45.4800, 44.8679



37.4314, 32.9029, 38.5624

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.



50.2606, 45.4800, 44.2204



36.8245, 45.4800, 44.8679



48.4278, 45.4800, 64.6712

Square

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



36.8245, 45.4800, 44.8679



41.5709, 45.4800, 71.4685



50.3325, 45.4800, 54.4830



44.9273, 45.4800, 32.5994

Rectangle

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



36.8245, 45.4800, 44.8679



37.8447, 45.4800, 62.1831



50.3325, 45.4800, 54.4830



49.0977, 45.4800, 38.7045

Sweetspot

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



36.8258, 45.4819, 44.8689



80.8194, 89.3964, 94.7378



38.3608, 46.5474, 32.5546



17.4420, 19.4791, 20.5283



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.



36.8258, 45.4819, 44.8689



63.0838, 80.6167, 77.4926



38.1790, 44.9263, 55.3768



9.6358, 10.7404, 11.3318



14.1853, 25.2644, 14.3046



0.5876, 1.0024, 0.7283

Inverse Universe

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



37.4314, 32.9029, 38.5624



64.3597, 54.1434, 64.2269



36.2751, 33.2132, 30.0907



9.6906, 9.6005, 10.7598



15.1001, 7.6712, 5.8205



0.6242, 0.3136, 0.4000

Previews

White Background



This preview shows how the XYZ color 36.8245, 45.4800, 44.8679 looks on a white background.

Color Contrast Check

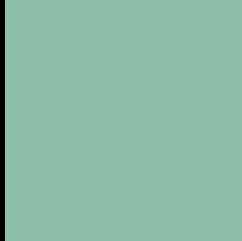
Large Text (above 18pt) WCAG AA × Fail

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 36.8245, 45.4800, 44.8679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

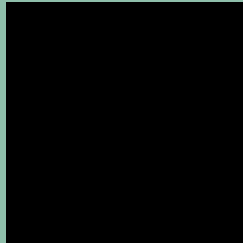
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8245, 45.4800, 44.8679

Background



This preview shows how black text looks on a background with the XYZ color 36.8245, 45.4800, 44.8679.

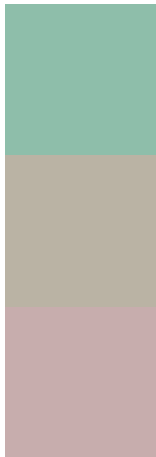


This preview shows how white text looks on a background with the XYZ color 36.8245, 45.4800,

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

36.8245, 45.4800, 44.8679

Protanopia

43.0706, 45.3596, 41.6072

Deuteranopia

46.0396, 45.0464, 45.8034



Tritanopia

40.1970, 45.5838, 61.3235

Trichromacy



Original Color

36.8245, 45.4800, 44.8679

Protanomaly

40.3940, 45.1662, 42.6653

Deuteranomaly

41.9266, 44.6837, 45.4448

Tritanomaly

38.8097, 45.3258, 54.8474

Monochromacy



Original Color

36.8245, 45.4800, 44.8679

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.4668, 42.9001, 45.2829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8245, 45.4800, 44.8679 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(142, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(142, 190, 170)  
}
```

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(142, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 190, 170) }
```

Border

The CSS property to change the border of an element to XYZ 36.8245, 45.4800, 44.8679 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(142, 190, 170) }
```


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

```
.border{ border-color:rgb(142, 190, 170) }
```

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

Here you see how a box with a 4 pixel rgb(142, 190, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(142, 190,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8245, 45.4800, 44.8679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 190, 170) }
```

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

```
.background{ background-color: rgb(142,  
190, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor