

Converting Colors

XYZ(37.0798, 45.2727, 54.6820)

Have a look what the booklet for
XYZ(37.0798, 45.2727, 54.6820)
contains.

XYZ(37.2716, 45.4876, 54.9597)	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(37.2716, 45.4876,
54.9597)**

Conversions

Conversions Part 1

Format	Color
Hex	85BEBD
RGB	133, 190, 189
RGB Percent	52%, 75%, 74%
CMY	0.4784, 0.2549, 0.2588
CMYK	0.30, 0.00, 0.01, 0.25
HSL	179°, 30%, 63%
HSV	179°, 30%, 75%
XYZ	37.2716, 45.4876, 54.9597
YIQ	172.8430, -33.6510, -12.3950

Conversions

Conversions Part 2

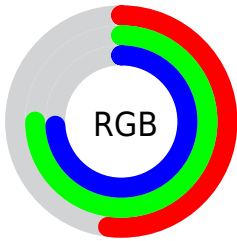
Format	Color
RYB	133, 162, 190
Decimal	8765117
CIELab	73.21, -18.56, -5.43
CIELCh	73, 19.338, 196.304
Yxy	45.4876, 0.2706, 0.3303
Android (android.graphics.Color)	4286955197 (0xFF85BEBD)
YUV	172.8430, 7.9654, -34.9423
Hunter-Lab	67.4445, -19.3841, -1.1036

Details

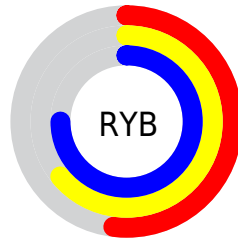
The XYZ color **37.2716, 45.4876, 54.9597** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.9274, 29.4446, 26.4511**, and the grayscale version is **39.6145, 41.6776, 45.3869**.

A 20% lighter version of the original color is **70.1762, 83.1955, 98.7459**, and **16.6414, 21.1352, 26.4950** is the 20% darker color. If you saturate the color by 10%, you get **34.5031, 44.0657, 54.6420**, and if you desaturate by 10%, it is **40.5854, 47.1929, 55.3053**.

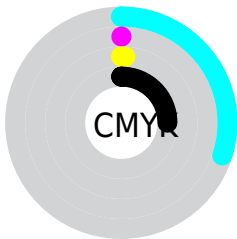
Distribution



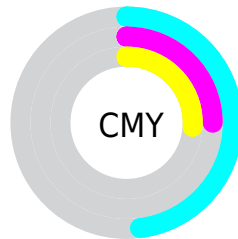
- Red (52%)
- Green (75%)
- Blue (74%)



- Red (52%)
- Yellow (64%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)



- Cyan (48%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2716, 45.4876, 54.9597 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 37.2716, 45.4876, 54.9597 by changing the saturation by 10% instead.

■ 37.2716, 45.4876,
54.9597

■ 37.2716, 45.4876,
54.9597

325.8201,
368.7448, 423.0368

■ 25.5925, 31.8417,
38.9711

■ 70.3014, 83.4516,
98.9525

■ 16.6501, 21.2406,
26.4296

■ 92.3829, 108.5385,
127.7937

■ 10.0791, 13.3000,
16.9166

■ 118.6624,
138.2078, 161.7562

■ 5.5141, 7.6354,
10.0137

149.5055,
172.8440, 201.2585

■ 2.5898, 3.8626,
5.3023

185.2775,
212.8313, 246.7192

■ 0.9407, 1.5970,
2.3639

226.3436,

■ 0.0000, 0.3556,

258.5543, 298.5568

0.7667

273.0694,
310.3974, 357.1898

■ 0.0000, 0.0000,
0.0000

■ 37.2716, 45.4876,
54.9597

■ 37.2716, 45.4876,
54.9597

■ 34.5031, 44.0657,
54.6420

■ 40.5854, 47.1929,
55.3053

■ 32.2468, 42.9067,
54.3477

■ 44.4677, 49.1900,
55.6770

■ 30.4718, 41.9959,
54.0764

■ 48.9450, 51.4940,
56.0770

■ 29.1427, 41.3148,
53.8264

■ 54.0410, 54.1169,
56.5063

■ 28.2187, 40.8426,
53.5958

■ 59.7784, 57.0703,
56.9661

■ 27.6521, 40.5547,
53.3823

■ 66.1782, 60.3653,
57.4574

■ 27.3478, 40.4019,
53.1815

■ 69.0957, 61.8651,
57.7861

■ 69.1326, 61.8799,
57.9805

■ 69.1696, 61.8947,
58.1753

Harmonies

Analogous

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



37.2020, 45.4876, 45.2357



37.2716, 45.4876, 54.9597



38.8833, 45.4876, 64.2992

Triad

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



37.2716, 45.4876, 54.9597



48.1241, 45.4876, 63.5864



44.7974, 45.4876, 33.5058

Complementary

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



37.2716, 45.4876, 54.9597



33.9274, 29.4446, 26.4511

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.



47.8990, 45.4876, 37.2126



37.2716, 45.4876, 54.9597



49.8864, 45.4876, 54.0842

Square

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



37.2716, 45.4876, 54.9597



45.0917, 45.4876, 69.7077



49.8019, 45.4876, 44.4670



41.4292, 45.4876, 33.6756

Rectangle

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



37.2716, 45.4876, 54.9597



40.6659, 45.4876, 68.6783



49.8019, 45.4876, 44.4670



45.9093, 45.4876, 34.3166

Sweetspot

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



37.2729, 45.4894, 54.9607



81.2289, 89.4704, 100.9504



32.6240, 43.6648, 28.8998



17.5918, 19.5207, 22.1452



92.9021, 97.7402, 106.4391



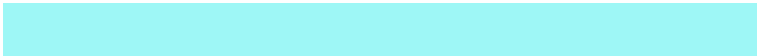
19.4759, 20.4902, 22.3138

Same Dimension

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



37.2729, 45.4894, 54.9607



64.1298, 80.6763, 99.2073



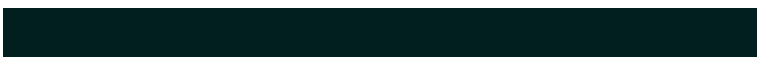
32.1368, 35.0423, 53.7874



9.8012, 10.8066, 12.2023



18.1872, 26.8652, 35.3783



0.7147, 1.0533, 1.3981

Inverse Universe

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



33.9274, 29.4446, 26.4511



57.0939, 46.9289, 39.2470



37.9720, 37.6453, 27.4560



9.5368, 9.5390, 9.9498



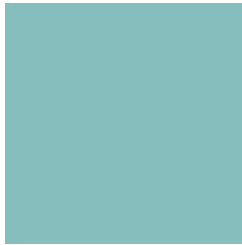
14.1355, 7.2853, 0.7410



0.5560, 0.2863, 0.0414

Previews

White Background



This preview shows how the XYZ color 37.2716, 45.4876, 54.9597 looks on a white background.

Color Contrast Check

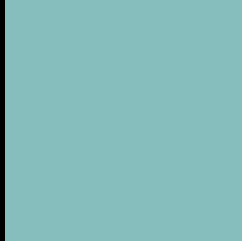
Large Text (above 18pt) WCAG AA × Fail

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 37.2716, 45.4876, 54.9597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

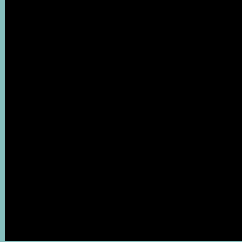
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2716, 45.4876, 54.9597

Background



This preview shows how black text looks on a background with the XYZ color 37.2716, 45.4876, 54.9597.



This preview shows how white text looks on a background with the XYZ color 37.2716, 45.4876,

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

37.2716, 45.4876, 54.9597

Protanopia

43.4199, 45.0419, 50.6615

Deuteranopia

45.8857, 45.0250, 56.1414



Tritanopia

38.9161, 45.5125, 63.2336

Trichromacy



Original Color

37.2716, 45.4876, 54.9597

Protanomaly

40.7947, 44.8512, 52.4060

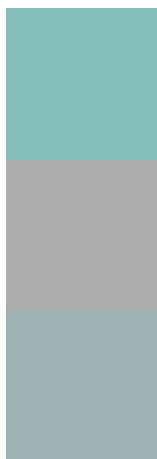
Deuteranomaly

42.0874, 44.8391, 55.7268

Tritanomaly

38.3823, 45.6233, 60.2093

Monochromacy



Original Color

37.2716, 45.4876, 54.9597

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.3573, 42.7640, 48.8805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2716, 45.4876, 54.9597 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, 190, 189)` looks like.

```
.text, #text, p{  
    color:rgb(133, 190, 189)  
}
```

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, 190, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 190, 189) }
```

Border

The CSS property to change the border of an element to XYZ 37.2716, 45.4876, 54.9597 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, 190, 189) }
```


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

```
.border{ border-color:rgb(133, 190, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 190, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 190, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 190, 189);  
box-shadow:4px 4px 4px 4px rgb(133, 190,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2716, 45.4876, 54.9597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 190, 189) }
```

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

```
.background{ background-color: rgb(133,  
190, 189) }
```

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