

Converting Colors

XYZ(36.6796, 54.3219, 33.1351)

Have a look what the booklet for
XYZ(36.6796, 54.3219, 33.1351)
contains.

XYZ(36.7064, 54.4580, 33.0029)	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(36.7064, 54.4580,
33.0029)**

Conversions

Conversions Part 1

Format	Color
Hex	78D78B
RGB	120, 215, 139
RGB Percent	47%, 84%, 55%
CMY	0.5294, 0.1568, 0.4549
CMYK	0.44, 0.00, 0.35, 0.16
HSL	132°, 54%, 66%
HSV	132°, 44%, 84%
XYZ	36.7064, 54.4580, 33.0029
YIQ	177.9310, -32.2240, -43.7760

Conversions

Conversions Part 2

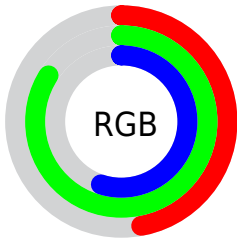
Format	Color
RYB	120, 199, 215
Decimal	7919499
CIELab	78.73, -44.20, 28.98
CIELCh	79, 52.849, 146.749
Yxy	54.4580, 0.2956, 0.4386
Android (android.graphics.Color)	4286109579 (0xFF78D78B)
YUV	177.9310, -19.1930, -50.8055
Hunter-Lab	73.7957, -40.3555, 25.1413

Details

The XYZ color **36.7064, 54.4580, 33.0029** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.7064, 31.8667, 56.0213**, and the grayscale version is **42.3921, 44.5998, 48.5692**.

A 20% lighter version of the original color is **63.2901, 84.6004, 63.4458**, and **16.2095, 26.5576, 13.5043** is the 20% darker color. If you saturate the color by 10%, you get **32.8933, 52.6278, 26.7726**, and if you desaturate by 10%, it is **41.3895, 56.7169, 40.3085**.

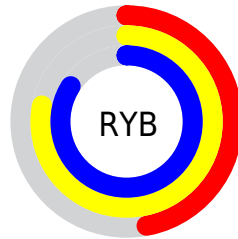
Distribution



Red (47%)

Green (84%)

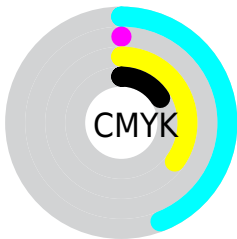
Blue (55%)



Red (47%)

Yellow (78%)

Blue (84%)

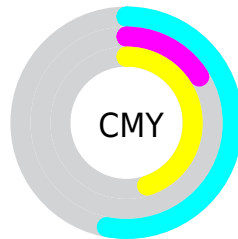


Cyan (44%)

Magenta (0%)

Yellow (35%)

Black (16%)



Cyan (53%)


Magenta (16%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7064, 54.4580, 33.0029 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 36.7064, 54.4580, 33.0029 by changing the saturation by 10% instead.


 36.7064, 54.4580,
33.0029


 36.7064, 54.4580,
33.0029


323.4153,
403.8541, 330.2952


 25.1529, 38.9679,
21.8575


 69.4378, 96.7464,
65.4961

 16.3203, 26.7348,
13.5549


 91.3463, 124.3135,
87.6811

 9.8434, 17.3741,
7.6766


 117.4373,
156.6751, 114.3829

 5.3567, 10.5016,
3.8039

148.0760,
194.2156, 146.0203

 2.4949, 5.7328,
1.5184

183.6278,
237.3193, 183.0116

 0.8927, 2.6833,
0.2316

224.4580,

 0.0000, 0.9687,

286.3707, 225.7755

0.0000

270.9321,
341.7542, 274.7306

■ 0.0000, 0.0000,
0.0000

■ 36.7064, 54.4580,
33.0029

■ 36.7064, 54.4580,
33.0029

■ 32.8933, 52.6278,
26.7726

■ 41.3895, 56.7169,
40.3085

■ 29.8915, 51.1925,
21.5632

■ 46.9881, 59.4225,
48.7330

■ 27.6413, 50.1241,
17.3211


■ 53.5497, 62.5996,
58.3221


■ 26.0730, 49.3877,
13.9863


■ 61.1170, 66.2696,
69.1179

■ 25.1028, 48.9418,
11.4919

■ 69.7303, 70.4523,
81.1604

 24.7375, 48.7773,
10.3967

 79.4276, 75.1665,
94.4876

 83.5915, 77.0829,
105.0805

Harmonies

Analogous

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



43.2314, 54.4580, 21.3164



36.7064, 54.4580, 33.0029



34.1758, 54.4580, 56.0907

Triad

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



36.7064, 54.4580, 33.0029



50.6292, 54.4580, 137.3288



71.8628, 54.4580, 36.9783

Complementary

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



36.7064, 54.4580, 33.0029



44.7064, 31.8667, 56.0213

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.



74.5317, 54.4580, 62.6201



36.7064, 54.4580, 33.0029



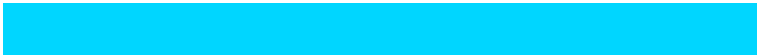
61.3439, 54.4580, 126.9797

Square

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



36.7064, 54.4580, 33.0029



41.5041, 54.4580, 121.6332



70.4536, 54.4580, 96.7874



63.5815, 54.4580, 23.0098

Rectangle

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



36.7064, 54.4580, 33.0029



34.8016, 54.4580, 77.4782



70.4536, 54.4580, 96.7874



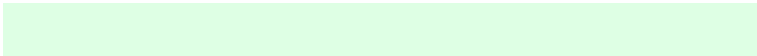
73.4906, 54.4580, 44.2064

Sweetspot

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



36.7078, 54.4603, 33.0041



79.9086, 92.6541, 87.4210



50.8717, 61.9087, 27.0382



16.6087, 19.5919, 17.9972



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.



36.7078, 54.4603, 33.0041



48.7420, 77.6052, 39.9647



40.7959, 56.0955, 54.5320



12.3630, 13.9362, 13.7258



14.8258, 29.1857, 6.3783



0.9242, 1.7723, 0.5424

Inverse Universe

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



44.7064, 31.8667, 56.0213



61.9379, 40.2567, 77.8828



40.2541, 30.0858, 32.5759



12.8416, 12.5881, 15.1062



21.2544, 10.4381, 24.4413



1.3096, 0.6406, 1.6199

Previews

White Background



This preview shows how the XYZ color 36.7064, 54.4580, 33.0029 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 36.7064, 54.4580, 33.0029 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 36.7064, 54.4580, 33.0029

Background



This preview shows how black text looks on a background with the XYZ color 36.7064, 54.4580, 33.0029.



This preview shows how white text looks on a background with the XYZ color 36.7064, 54.4580,

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

36.7064, 54.4580, 33.0029

Protanopia

49.8994, 53.8969, 28.8923

Deuteranopia

54.7421, 53.6871, 34.6716



Tritanopia

45.3637, 54.2864, 76.4940

Trichromacy



Original Color

36.7064, 54.4580, 33.0029



Protanomaly

43.4856, 53.2816, 30.1827



Deuteranomaly

45.9104, 52.7345, 33.7456



Tritanomaly

41.5645, 54.1878, 57.5588

Monochromacy



Original Color

36.7064, 54.4580, 33.0029



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.2363, 47.1100, 42.1471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7064, 54.4580, 33.0029 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(120, 215, 139)` looks like.

```
.text, #text, p{  
    color:rgb(120, 215, 139)  
}
```

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(120, 215, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 215, 139) }
```

Border

The CSS property to change the border of an element to XYZ 36.7064, 54.4580, 33.0029 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(120, 215, 139) }
```


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

```
.border{ border-color:rgb(120, 215, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 215, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 215, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 215, 139); box-shadow:4px 4px 4px 4px rgb(120, 215, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7064, 54.4580, 33.0029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 215, 139) }
```

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

```
.background{ background-color: rgb(120,  
215, 139) }
```

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