

Converting Colors

XYZ(45.4580, 54.8527, 37.0459)

Have a look what the booklet for
XYZ(45.4580, 54.8527, 37.0459)
contains.

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Color

**XYZ(45.4580, 54.8527,
37.0459)**

Conversions

Conversions Part 1

Format	Color
Hex	B2CC96
RGB	178, 204, 150
RGB Percent	70%, 80%, 59%
CMY	0.3020, 0.2000, 0.4118
CMYK	0.13, 0.00, 0.26, 0.20
HSL	89°, 35%, 69%
HSV	89°, 26%, 80%
XYZ	45.4580, 54.8527, 37.0459
YIQ	190.0700, 1.8380, -22.3060

Conversions

Conversions Part 2

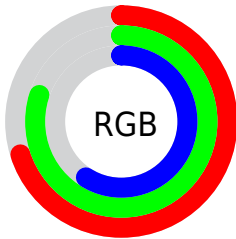
Format	Color
RYB	150, 204, 176
Decimal	11717782
CIELab	78.96, -18.28, 24.09
CIELCh	79, 30.244, 127.185
Yxy	54.8527, 0.3309, 0.3993
Android (android.graphics.Color)	4289907862 (0xFFB2CC96)
YUV	190.0700, -19.7545, -10.5854
Hunter-Lab	74.0626, -20.0502, 22.1871

Details

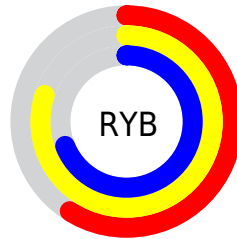
The XYZ color **45.4580, 54.8527, 37.0459** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.7121, 35.4039, 61.8703**, and the grayscale version is **49.0946, 51.6513, 56.2483**.

A 20% lighter version of the original color is **80.5908, 93.3721, 70.9018**, and **21.6159, 27.0735, 15.8908** is the 20% darker color. If you saturate the color by 10%, you get **41.7828, 53.1333, 29.0327**, and if you desaturate by 10%, it is **49.5836, 56.7745, 46.5753**.

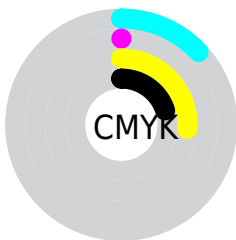
Distribution



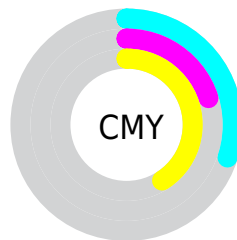
- Red (70%)
- Green (80%)
- Blue (59%)



- Red (59%)
- Yellow (80%)
- Blue (69%)



- Cyan (13%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)





- Cyan (30%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4580, 54.8527, 37.0459 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 45.4580, 54.8527, 37.0459 by changing the saturation by 10% instead.


 45.4580, 54.8527,
37.0459


 45.4580, 54.8527,
37.0459


359.3779,
405.3533, 348.6839

 32.0211, 39.2838,
24.9470


 82.6401, 97.3251,
71.8305

 21.5333, 26.9806,
15.8189


 107.1161,
124.9974, 95.3532

 13.6290, 17.5586,
9.2431


136.0024,
157.4729, 123.5210

 7.9431, 10.6336,
4.8011

169.6646,
195.1361, 156.7523

 4.1100, 5.8210,
2.0744

208.4678,
238.3714, 195.4657

 1.7646, 2.7366,
0.6004

252.7776,

 0.4962, 0.9958,

287.5631, 240.0797

0.0000

302.9591,
343.0956, 291.0129

■ 0.0000, 0.0000,
0.0000

■ 45.4580, 54.8527,
37.0459

■ 45.4580, 54.8527,
37.0459

■ 41.7828, 53.1333,
29.0327

■ 49.5836, 56.7745,
46.5753

■ 38.5354, 51.6015,
22.4538

■ 54.1722, 58.8988,
57.6900

■ 35.6977, 50.2514,
17.2253

■ 59.2413, 61.2347,
70.4588

■ 33.2482, 49.0740,
13.2529

■ 64.8061, 63.7885,
84.9459

■ 31.1631, 48.0594,
10.4302

■ 70.8811, 66.5666,
101.2118

■ 29.4148, 47.1961,
8.6331

■ 74.5494, 68.4024,
103.8815

■ 27.9693, 46.4700,
7.7022

■ 77.9188, 70.1394,
104.0392

■ 27.5106, 46.2381,
7.4749

■ 80.8840, 71.6680,
104.1780

Harmonies

Analogous

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



50.7036, 54.8527, 32.5369



45.4580, 54.8527, 37.0459



42.1918, 54.8527, 47.7881

Triad

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



45.4580, 54.8527, 37.0459



47.7816, 54.8527, 95.7251



64.4636, 54.8527, 55.6803

Complementary

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



45.4580, 54.8527, 37.0459



39.7121, 35.4039, 61.8703

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.



63.5311, 54.8527, 73.5011



45.4580, 54.8527, 37.0459



53.5948, 54.8527, 98.9514

Square

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



45.4580, 54.8527, 37.0459



43.4596, 54.8527, 82.0469



59.4376, 54.8527, 90.1665



61.8961, 54.8527, 41.8707

Rectangle

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



45.4580, 54.8527, 37.0459



41.4234, 54.8527, 58.1144



59.4376, 54.8527, 90.1665



64.5522, 54.8527, 61.3656

Sweetspot

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



45.4594, 54.8551, 37.0471



88.4156, 96.9394, 92.3458



45.7778, 45.7792, 35.2785



18.6700, 20.6313, 19.1426



0.0000, 0.0000, 0.0000



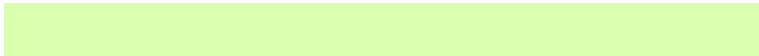
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4594, 54.8551, 37.0471



71.5741, 89.1070, 53.1654



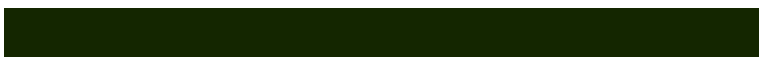
40.0110, 52.0463, 36.7921



11.6136, 12.8182, 11.9415



17.4227, 29.1571, 4.7096



0.9862, 1.5492, 0.2471

Inverse Universe

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



39.7121, 35.4039, 61.8703



60.4219, 51.3610, 101.3368



46.2188, 38.7583, 62.1748



11.1072, 11.1046, 14.1284



10.1526, 4.4414, 36.2784



0.6112, 0.2742, 1.8757

Previews

White Background



This preview shows how the XYZ color 45.4580, 54.8527, 37.0459 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 45.4580, 54.8527, 37.0459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

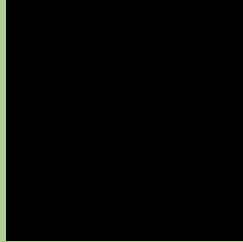
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4580, 54.8527, 37.0459

Background



This preview shows how black text looks on a background with the XYZ color 45.4580, 54.8527, 37.0459.



This preview shows how white text looks on a background with the XYZ color 45.4580, 54.8527,

37.0459.

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

45.4580, 54.8527, 37.0459

Protanopia

50.9979, 54.6608, 35.0568

Deuteranopia

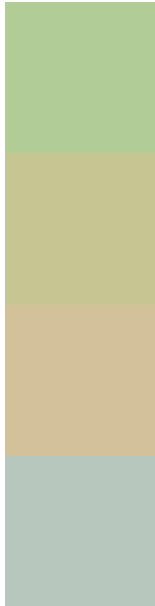
55.5980, 54.3677, 38.1355



Tritanopia

51.9913, 54.7478, 69.4552

Trichromacy



Original Color

45.4580, 54.8527, 37.0459

Protanomaly

48.7492, 54.5005, 35.5541

Deuteranomaly

51.3981, 54.1415, 37.8784

Tritanomaly

49.3759, 54.7113, 56.1021

Monochromacy



Original Color

45.4580, 54.8527, 37.0459

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.5027, 52.5645, 48.1997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4580, 54.8527, 37.0459 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(178, 204, 150)` looks like.

```
.text, #text, p{  
    color:rgb(178, 204, 150)  
}
```

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(178, 204, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 204, 150) }
```

Border

The CSS property to change the border of an element to XYZ 45.4580, 54.8527, 37.0459 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(178, 204, 150) }
```


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

```
.border{ border-color:rgb(178, 204, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 204, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 204, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 204, 150);  
box-shadow:4px 4px 4px 4px rgb(178, 204,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4580, 54.8527, 37.0459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 204, 150) }
```

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

```
.background{ background-color: rgb(178,  
204, 150) }
```

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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