

Converting Colors

XYZ(45.9969, 53.1683, 45.4063)

Have a look what the booklet for
XYZ(45.9969, 53.1683, 45.4063)
contains.

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Color

**XYZ(45.9450, 53.1764,
45.3786)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C7A9
RGB	178, 199, 169
RGB Percent	70%, 78%, 66%
CMY	0.3020, 0.2196, 0.3372
CMYK	0.11, 0.00, 0.15, 0.22
HSL	102°, 21%, 72%
HSV	102°, 15%, 78%
XYZ	45.9450, 53.1764, 45.3786
YIQ	189.3010, -2.8860, -13.7820

Conversions

Conversions Part 2

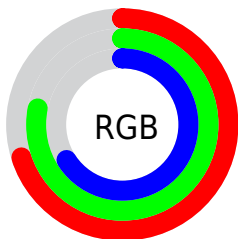
Format	Color
RYB	169, 199, 190
Decimal	11716521
CIELab	77.98, -12.68, 12.64
CIELCh	78, 17.901, 135.077
Yxy	53.1764, 0.3180, 0.3680
Android (android.graphics.Color)	4289906601 (0xFFB2C7A9)
YUV	189.3010, -10.0084, -9.9110
Hunter-Lab	72.9222, -15.1489, 14.1500

Details

The XYZ color **45.9450, 53.1764, 45.3786** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.7340, 43.4480, 60.0114**, and the grayscale version is **48.6000, 51.1310, 55.6817**.

A 20% lighter version of the original color is **83.1462, 94.3942, 84.3586**, and **21.7937, 25.8951, 20.6792** is the 20% darker color. If you saturate the color by 10%, you get **41.1817, 50.9221, 36.1345**, and if you desaturate by 10%, it is **51.3202, 55.7164, 56.1378**.

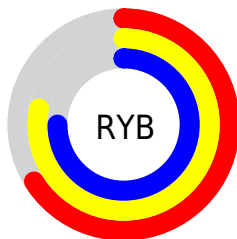
Distribution



Red (70%)

Green (78%)

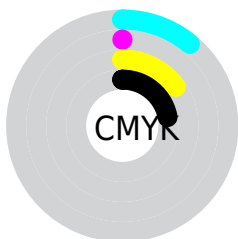
Blue (66%)



Red (66%)

Yellow (78%)

Blue (75%)

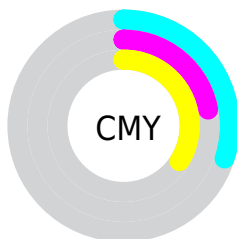


Cyan (11%)

Magenta (0%)

Yellow (15%)

Black (22%)



Cyan (30%)

Magenta (22%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9450, 53.1764, 45.3786 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 45.9450, 53.1764, 45.3786 by changing the saturation by 10% instead.


 45.9450, 53.1764,
45.3786

 45.9450, 53.1764,
45.3786


361.3071,
398.9615, 384.5095

 32.4069, 37.9436,
31.4106


 83.3650, 94.8639,
84.6127

 21.8295, 25.9389,
20.6506


107.9777,
122.0874, 110.7159

 13.8476, 16.7780,
12.6801


137.0125,
154.0765, 141.7013

 8.0957, 10.0763,
7.0805

170.8349,
191.2158, 177.9874

 4.2086, 5.4496,
3.4333

209.8102,
233.8895, 219.9927

 1.8208, 2.5134,
1.3199

254.3038,

 0.5302, 0.8833,

282.4821, 268.1358

0.0780

304.6809,
337.3780, 322.8352

■ 0.0000, 0.0000,
0.0000

■ 45.9450, 53.1764,
45.3786

■ 45.9450, 53.1764,
45.3786

■ 41.1817, 50.9221,
36.1345

■ 51.3202, 55.7164,
56.1378

■ 37.0036, 48.9365,
28.3343

■ 57.3243, 58.5449,
68.4724

■ 33.3881, 47.2112,
21.9058

■ 63.9789, 61.6731,
82.4435

■ 30.3098, 45.7348,
16.7696

■ 71.3032, 65.1098,
98.1079

■ 27.7407, 44.4947,
12.8381

■ 77.0643, 67.9627,
103.6641

■ 25.6503, 43.4774,
10.0125

■ 79.7145, 69.3289,
103.7882

■ 24.0042, 42.6677,
8.1787

■ 22.7623, 42.0479,
7.1977

■ 22.2695, 41.8001,
6.8945

Harmonies

Analogous

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



48.8195, 53.1764, 41.2769



45.9450, 53.1764, 45.3786



44.3404, 53.1764, 53.0976

Triad

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



45.9450, 53.1764, 45.3786



48.8366, 53.1764, 78.4930



57.2926, 53.1764, 53.0503

Complementary

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



45.9450, 53.1764, 45.3786



45.7340, 43.4480, 60.0114

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.



57.2977, 53.1764, 62.9837



45.9450, 53.1764, 45.3786



52.3057, 53.1764, 78.4766

Square

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



45.9450, 53.1764, 45.3786



45.9570, 53.1764, 72.5785



55.4371, 53.1764, 72.5359



55.4234, 53.1764, 45.3474

Rectangle

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



45.9450, 53.1764, 45.3786



44.1577, 53.1764, 59.6151



55.4371, 53.1764, 72.5359



57.5150, 53.1764, 56.2182

Sweetspot

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



45.9464, 53.1787, 45.3798



89.8568, 97.5521, 98.2949



49.1302, 51.8358, 44.9528



19.0817, 20.8088, 20.7324



0.0000, 0.0000, 0.0000



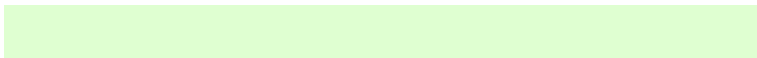
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9464, 53.1787, 45.3798



77.6718, 91.7955, 74.0111



44.5251, 52.3793, 48.3221



10.7916, 12.0395, 11.3178



14.3971, 26.9173, 4.4368



0.7560, 1.3128, 0.2136

Inverse Universe

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



45.7340, 43.4480, 60.0114



77.2298, 71.6116, 104.3597



47.3687, 44.3697, 56.5220



10.7614, 10.6508, 13.4061



13.6003, 6.2455, 35.2330



0.7146, 0.3321, 1.6716

Previews

White Background



This preview shows how the XYZ color 45.9450, 53.1764, 45.3786 looks on a white background.

Color Contrast Check

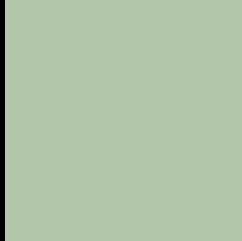
Large Text (above 18pt) WCAG AA × Fail

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 45.9450, 53.1764, 45.3786 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

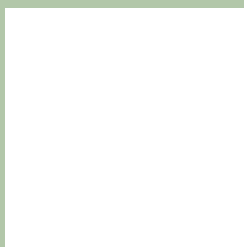
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9450, 53.1764, 45.3786

Background



This preview shows how black text looks on a background with the XYZ color 45.9450, 53.1764, 45.3786.



This preview shows how white text looks on a background with the XYZ color 45.9450, 53.1764,

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

45.9450, 53.1764, 45.3786

Protanopia

49.9983, 52.9724, 43.1868

Deuteranopia

54.2187, 53.1564, 46.4323



Tritanopia

50.3458, 52.9337, 67.8853

Trichromacy



Original Color

45.9450, 53.1764, 45.3786

Protanomaly

48.3904, 53.1208, 43.7793

Deuteranomaly

50.8833, 53.0392, 46.0838

Tritanomaly

48.5441, 52.8703, 58.6854

Monochromacy



Original Color

45.9450, 53.1764, 45.3786

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.5210, 51.8316, 51.7558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9450, 53.1764, 45.3786 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, 199, 169)` looks like.

```
.text, #text, p{  
    color:rgb(178, 199, 169)  
}
```

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, 199, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 199, 169) }
```

Border

The CSS property to change the border of an element to XYZ 45.9450, 53.1764, 45.3786 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, 199, 169) }
```


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

```
.border{ border-color:rgb(178, 199, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 199, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 199, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 199, 169);  
box-shadow:4px 4px 4px 4px rgb(178, 199,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9450, 53.1764, 45.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 199, 169) }
```

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

```
.background{ background-color: rgb(178,  
199, 169) }
```

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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