

Converting Colors

XYZ(45.7242, 51.2418, 48.4999)

Have a look what the booklet for
XYZ(45.7242, 51.2418, 48.4999)
contains.

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Color

**XYZ(45.7187, 51.3019,
48.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C2B0
RGB	179, 194, 176
RGB Percent	70%, 76%, 69%
CMY	0.2980, 0.2392, 0.3098
CMYK	0.08, 0.00, 0.09, 0.24
HSL	110°, 13%, 73%
HSV	110°, 9%, 76%
XYZ	45.7187, 51.3019, 48.5669
YIQ	187.4630, -3.1620, -8.7780

Conversions

Conversions Part 2

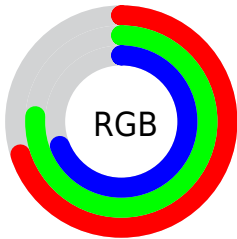
Format	Color
RYB	176, 194, 191
Decimal	11780784
CIELab	76.86, -8.50, 7.29
CIELCh	77, 11.204, 139.377
Yxy	51.3019, 0.3140, 0.3524
Android (android.graphics.Color)	4289970864 (0xFFB3C2B0)
YUV	187.4630, -5.6513, -7.4221
Hunter-Lab	71.6253, -11.4072, 9.9351

Details

The XYZ color **45.7187, 51.3019, 48.5669** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.7508, 46.0235, 57.4610**, and the grayscale version is **47.5291, 50.0043, 54.4547**.

A 20% lighter version of the original color is **83.0120, 91.8596, 89.6994**, and **21.6204, 24.6470, 22.6866** is the 20% darker color. If you saturate the color by 10%, you get **40.4148, 48.7753, 39.0045**, and if you desaturate by 10%, it is **51.7380, 54.1686, 59.5970**.

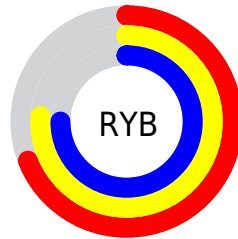
Distribution



Red (70%)

Green (76%)

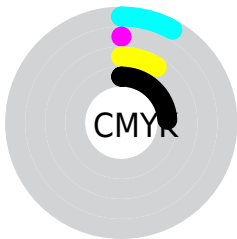
Blue (69%)



Red (69%)

Yellow (76%)

Blue (75%)

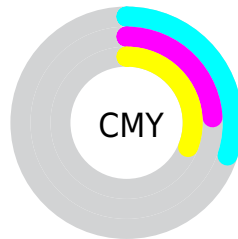


Cyan (8%)

Magenta (0%)

Yellow (9%)

Black (24%)



Cyan (30%)

Magenta (24%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7187, 51.3019, 48.5669 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 45.7187, 51.3019, 48.5669 by changing the saturation by 10% instead.

■ 45.7187, 51.3019,
48.5669

■ 45.7187, 51.3019,
48.5669

360.4115,
391.7356, 397.6081

■ 32.2276, 36.4489,
33.9129

■ 83.0283, 92.1009,
89.4222

■ 21.6918, 24.7811,
22.5498

107.5775,
118.8157, 116.4605

■ 13.7459, 15.9141,
14.0593

136.5434,
150.2532, 148.4640

■ 8.0247, 9.4634,
8.0227

170.2914,
186.7978, 185.8512

■ 4.1627, 5.0446,
4.0215

209.1869,
228.8340, 229.0407

■ 1.7946, 2.2735,
1.6371

253.5951,

■ 0.5144, 0.7596,

276.7461, 278.4510

0.3171

303.8816,
330.9185, 334.5006

■ 0.0000, 0.0000,
0.0000

■ 45.7187, 51.3019,
48.5669

■ 45.7187, 51.3019,
48.5669

■ 40.4148, 48.7753,
39.0045

■ 51.7380, 54.1686,
59.5970

■ 35.7953, 46.5697,
30.8446

■ 58.4937, 57.3804,
72.1495

■ 31.8334, 44.6741,
24.0225

■ 66.0112, 60.9509,
86.2803

■ 28.4988, 43.0746,
18.4666

■ 74.3134, 64.8905,
102.0416

■ 25.7586, 41.7558,
14.0990

■ 78.5828, 67.0656,
103.4109

■ 23.5770, 40.7012,
10.8330

■ 21.9143, 39.8924,
8.5702

■ 20.7249, 39.3085,
7.1947

■ 19.9435, 38.9202,
6.5013

Harmonies

Analogous

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



47.4150, 51.3019, 45.5111



45.7187, 51.3019, 48.5669



44.8463, 51.3019, 53.7252

Triad

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



45.7187, 51.3019, 48.5669



48.0100, 51.3019, 68.1952



52.7264, 51.3019, 52.0580

Complementary

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



45.7187, 51.3019, 48.5669



46.7508, 46.0235, 57.4610

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.



52.8970, 51.3019, 58.0487



45.7187, 51.3019, 48.5669



50.1321, 51.3019, 67.6674

Square

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



45.7187, 51.3019, 48.5669



46.1434, 51.3019, 65.2406



51.9352, 51.3019, 63.8469



51.4756, 51.3019, 47.4230

Rectangle

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



45.7187, 51.3019, 48.5669



44.8317, 51.3019, 57.7916



51.9352, 51.3019, 63.8469



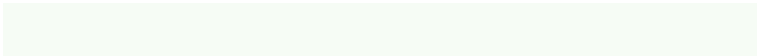
52.9133, 51.3019, 53.9701

Sweetspot

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



45.7201, 51.3041, 48.5680



89.4691, 96.1067, 100.1223



48.7176, 51.8679, 48.5189



19.3960, 20.9527, 21.5646



0.0000, 0.0000, 0.0000



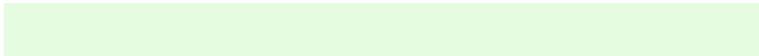
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7201, 51.3041, 48.5680



80.9103, 92.0313, 84.5052



45.6414, 51.1934, 51.7331



10.0974, 11.3377, 10.7181



13.1297, 25.5974, 4.2488



0.6172, 1.1317, 0.1859

Inverse Universe

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



46.7508, 46.0235, 57.4610



83.1296, 80.6588, 103.6571



46.8524, 46.1522, 54.0178



10.3272, 10.1599, 12.7016



16.2148, 7.6195, 34.1727



0.7454, 0.3523, 1.4786

Previews

White Background



This preview shows how the XYZ color 45.7187, 51.3019, 48.5669 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 45.7187, 51.3019, 48.5669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

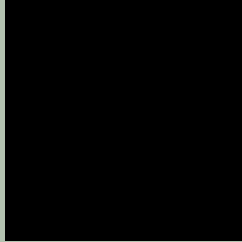
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

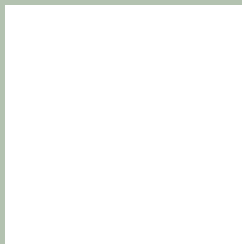
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7187, 51.3019, 48.5669

Background



This preview shows how black text looks on a background with the XYZ color 45.7187, 51.3019, 48.5669.



This preview shows how white text looks on a background with the XYZ color 45.7187, 51.3019,

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

45.7187, 51.3019, 48.5669

Protanopia

48.7664, 51.2826, 46.8634

Deuteranopia

52.1207, 51.0784, 49.2315



Tritanopia

49.2001, 51.4250, 65.0905

Trichromacy



Original Color

45.7187, 51.3019, 48.5669

Protanomaly

47.5060, 51.2647, 47.4357

Deuteranomaly

49.5256, 50.9943, 48.8276

Tritanomaly

47.6598, 51.1017, 58.3906

Monochromacy



Original Color

45.7187, 51.3019, 48.5669

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.7279, 50.4362, 52.0721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7187, 51.3019, 48.5669 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(179, 194, 176)` looks like.

```
.text, #text, p{  
    color:rgb(179, 194, 176)  
}
```

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(179, 194, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 194, 176) }
```

Border

The CSS property to change the border of an element to XYZ 45.7187, 51.3019, 48.5669 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(179, 194, 176) }
```


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

```
.border{ border-color:rgb(179, 194, 176) }
```

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

Here you see how a box with a 4 pixel rgb(179, 194, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 194, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 194, 176);  
box-shadow:4px 4px 4px 4px rgb(179, 194,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7187, 51.3019, 48.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 194, 176) }
```

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

```
.background{ background-color: rgb(179,  
194, 176) }
```

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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