

Converting Colors

XYZ(45.7427, 51.6363, 21.5787)

Have a look what the booklet for
XYZ(45.7427, 51.6363, 21.5787)
contains.

XYZ(45.8112, 51.6190, 21.4589)	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(45.8112, 51.6190,
21.4589)**

Conversions

Conversions Part 1

Format	Color
Hex	C9C16B
RGB	201, 193, 107
RGB Percent	79%, 76%, 42%
CMY	0.2118, 0.2431, 0.5804
CMYK	0.00, 0.04, 0.47, 0.21
HSL	55°, 47%, 60%
HSV	55°, 47%, 79%
XYZ	45.8112, 51.6190, 21.4589
YIQ	185.5880, 32.3740, -25.0500

Conversions

Conversions Part 2

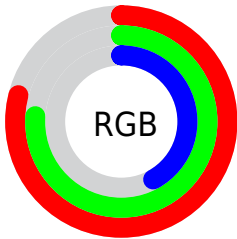
Format	Color
RYB	116, 201, 107
Decimal	13222251
CIELab	77.05, -9.06, 44.05
CIELCh	77, 44.969, 101.626
Yxy	51.6190, 0.3853, 0.4342
Android (android.graphics.Color)	4291412331 (0xFFC9C16B)
YUV	185.5880, -38.7439, 13.5163
Hunter-Lab	71.8464, -11.9147, 32.5839

Details

The XYZ color **45.8112, 51.6190, 21.4589** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.7367, 19.6037, 57.8437**, and the grayscale version is **46.6398, 49.0687, 53.4359**.

A 20% lighter version of the original color is **81.4608, 91.5494, 46.6351**, and **21.7689, 25.0614, 7.4314** is the 20% darker color. If you saturate the color by 10%, you get **44.4990, 50.4948, 16.3971**, and if you desaturate by 10%, it is **47.3760, 52.8550, 27.8188**.

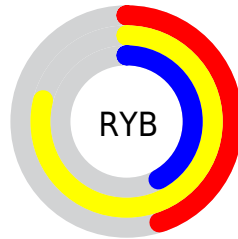
Distribution



Red (79%)

Green (76%)

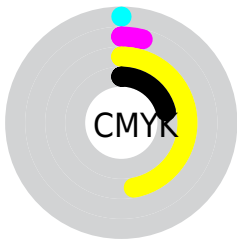
Blue (42%)



Red (45%)

Yellow (79%)

Blue (42%)

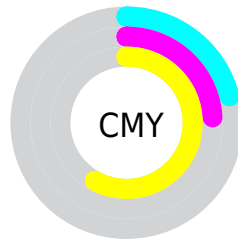


Cyan (0%)

Magenta (4%)

Yellow (47%)

Black (21%)



Cyan (21%)

Magenta (24%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8112, 51.6190, 21.4589 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 45.8112, 51.6190, 21.4589 by changing the saturation by 10% instead.

■ 45.8112, 51.6190,
21.4589

■ 45.8112, 51.6190,
21.4589

360.7778,
392.9640, 272.5680

■ 32.3009, 36.7015,
13.2654

■ 83.1660, 92.5691,
46.7407

■ 21.7481, 24.9764,
7.4787

■ 107.7411,
119.3705, 64.6660

■ 13.7875, 16.0595,
3.6803

■ 136.7352,
150.9019, 86.6724

■ 8.0537, 9.5663,
1.4516

■ 170.5136,
187.5478, 113.1782

■ 4.1814, 5.1123,
0.1815

209.4418,
229.6926, 144.6022

■ 1.8053, 2.3133,
0.0000

253.8849,

■ 0.5208, 0.7808,

277.7206, 181.3628

0.0000

304.2085,
332.0163, 223.8786

■ 0.0000, 0.0000,
0.0000

■ 45.8112, 51.6190,
21.4589

■ 45.8112, 51.6190,
21.4589

■ 44.4990, 50.4948,
16.3971

■ 47.3760, 52.8550,
27.8188

■ 43.4185, 49.4684,
12.5391

■ 49.2055, 54.2020,
35.5558

■ 42.5514, 48.5342,
9.7833


■ 51.3150, 55.6681,
44.7464

■ 41.8748, 47.6832,
8.0097


■ 53.7181, 57.2586,
55.4607


■ 41.3587, 46.9033,
7.0601


■ 56.4271, 58.9785,
67.7640

 41.2081, 46.6590,
6.8342

 59.4537, 60.8327,
81.7180

 62.8090, 62.8254,
97.3811

 64.3730, 64.1087,
103.5891

 64.7885, 64.9399,
103.7277

Harmonies

Analogous

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



54.4500, 51.6190, 22.2255



45.8112, 51.6190, 21.4589



38.8965, 51.6190, 27.7619

Triad

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



45.8112, 51.6190, 21.4589



37.7320, 51.6190, 93.8065



66.4487, 51.6190, 72.4564

Complementary

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



45.8112, 51.6190, 21.4589



22.7367, 19.6037, 57.8437

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.



60.8609, 51.6190, 99.4500



45.8112, 51.6190, 21.4589



44.0423, 51.6190, 114.0445

Square

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



45.8112, 51.6190, 21.4589



34.6088, 51.6190, 66.2770



52.4637, 51.6190, 116.3675



67.0659, 51.6190, 47.2077

Rectangle

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



45.8112, 51.6190, 21.4589



35.9278, 51.6190, 36.6038



52.4637, 51.6190, 116.3675



65.0615, 51.6190, 81.7879

Sweetspot

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



45.8124, 51.6214, 21.4600



88.8648, 95.9884, 81.0690



32.5211, 24.2037, 19.6037



18.8365, 20.4215, 16.5370



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.



45.8124, 51.6214, 21.4600



76.1830, 86.4488, 28.0587



38.7270, 50.6636, 21.6485



11.4438, 12.2567, 11.3254



25.9434, 29.4040, 4.3082



1.2517, 1.4388, 0.2118

Inverse Universe

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



22.7367, 19.6037, 57.8437



32.0085, 25.1798, 97.7809



27.4075, 20.7165, 57.8123



10.1280, 10.4301, 13.3969



6.7842, 2.9624, 34.9586



0.3468, 0.1915, 1.6638

Previews

White Background



This preview shows how the XYZ color 45.8112, 51.6190, 21.4589 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 45.8112, 51.6190, 21.4589 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 45.8112, 51.6190, 21.4589

Background



This preview shows how black text looks on a background with the XYZ color 45.8112, 51.6190, 21.4589.



This preview shows how white text looks on a background with the XYZ color 45.8112, 51.6190,

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

45.8112, 51.6190, 21.4589

Protanopia

47.3095, 51.4228, 21.0678

Deuteranopia

52.6171, 51.3293, 21.8862



Tritanopia

53.5899, 51.5998, 59.9586

Trichromacy



Original Color

45.8112, 51.6190, 21.4589

Protanomaly

46.6859, 51.4240, 21.1009

Deuteranomaly

49.9281, 51.1742, 21.7141

Tritanomaly

50.2033, 51.4864, 42.4138

Monochromacy



Original Color

45.8112, 51.6190, 21.4589

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.7693, 49.9059, 39.1188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8112, 51.6190, 21.4589 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(201, 193, 107)` looks like.

```
.text, #text, p{  
    color:rgb(201, 193, 107)  
}
```

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(201, 193, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 193, 107) }
```

Border

The CSS property to change the border of an element to XYZ 45.8112, 51.6190, 21.4589 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(201, 193, 107) }
```


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

```
.border{ border-color:rgb(201, 193, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 193, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 193, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 193, 107);  
box-shadow:4px 4px 4px 4px rgb(201, 193,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8112, 51.6190, 21.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 193, 107) }
```

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

```
.background{ background-color: rgb(201,  
193, 107) }
```

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