

Converting Colors

XYZ(45.9787, 51.6252, 25.1267)

Have a look what the booklet for
XYZ(45.9787, 51.6252, 25.1267)
contains.

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Color

**XYZ(45.9529, 51.6140,
24.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C177
RGB	199, 193, 119
RGB Percent	78%, 76%, 47%
CMY	0.2196, 0.2431, 0.5333
CMYK	0.00, 0.03, 0.40, 0.22
HSL	56°, 42%, 62%
HSV	56°, 40%, 78%
XYZ	45.9529, 51.6140, 24.9933
YIQ	186.3580, 27.3300, -21.7420

Conversions

Conversions Part 2

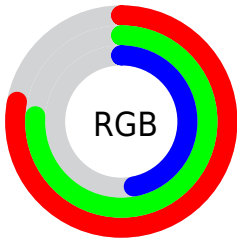
Format	Color
RYB	125, 199, 119
Decimal	13091191
CIELab	77.05, -8.65, 37.97
CIELCh	77, 38.945, 102.827
Yxy	51.6140, 0.3749, 0.4211
Android (android.graphics.Color)	4291281271 (0xFFC7C177)
YUV	186.3580, -33.2075, 11.0870
Hunter-Lab	71.8429, -11.5510, 29.6637

Details

The XYZ color **45.9529, 51.6140, 24.9933** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.2500, 22.7119, 57.0857**, and the grayscale version is **47.0439, 49.4938, 53.8988**.

A 20% lighter version of the original color is **82.5621, 91.9899, 52.4341**, and **21.9539, 25.1151, 9.3208** is the 20% darker color. If you saturate the color by 10%, you get **44.5533, 50.5312, 19.2353**, and if you desaturate by 10%, it is **47.6086, 52.8083, 32.0724**.

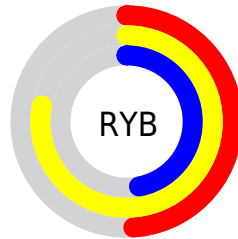
Distribution



Red (78%)

Green (76%)

Blue (47%)



Red (49%)

Yellow (78%)

Blue (47%)

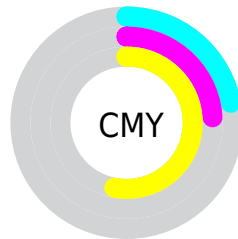


Cyan (0%)

Magenta (3%)

Yellow (40%)

Black (22%)



Cyan (22%)


Magenta (24%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9529, 51.6140, 24.9933 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 45.9529, 51.6140, 24.9933 by changing the saturation by 10% instead.


 45.9529, 51.6140,
24.9933


 45.9529, 51.6140,
24.9933


361.3384,
392.9446, 291.2512

 32.4131, 36.6975,
15.8531


 83.3768, 92.5617,
52.6103

 21.8343, 24.9734,
9.2670


 107.9916,
119.3617, 71.9242

 13.8511, 16.0572,
4.8166


 137.0289,
150.8917, 95.4665

 8.0982, 9.5646,
2.0832


170.8538,
187.5360, 123.6555

 4.2102, 5.1113,
0.6057

209.8319,
229.6791, 156.9100

 1.8217, 2.3127,
0.0000

254.3285,

 0.5307, 0.7804,

277.7052, 195.6484

0.0000

304.7088,
331.9990, 240.2893

■ 0.0000, 0.0000,
0.0000

■ 45.9529, 51.6140,
24.9933

■ 45.9529, 51.6140,
24.9933

■ 44.5533, 50.5312,
19.2353

■ 47.6086, 52.8083,
32.0724

■ 43.3902, 49.5465,
14.7123

■ 49.5311, 54.1127,
40.5452

■ 42.4475, 48.6552,
11.3331


■ 51.7348, 55.5350,
50.4826


■ 41.7050, 47.8493,
8.9923


■ 54.2322, 57.0801,
61.9501


■ 41.1392, 47.1193,
7.5655


■ 57.0350, 58.7528,
75.0090

 40.7120, 46.4599,
6.8219

 60.1542, 60.5574,
89.7172

 63.0639, 62.2836,
103.3059

 63.4187, 62.9933,
103.4241

 63.7770, 63.7098,
103.5436

Harmonies

Analogous

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



53.3992, 51.6140, 25.4643



45.9529, 51.6140, 24.9933



39.9702, 51.6140, 31.2093

Triad

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



45.9529, 51.6140, 24.9933



39.3054, 51.6140, 88.8641



64.0168, 51.6140, 69.1699

Complementary

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



45.9529, 51.6140, 24.9933



25.2500, 22.7119, 57.0857

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.



59.4274, 51.6140, 91.8765



45.9529, 51.6140, 24.9933



44.9579, 51.6140, 105.0714

Square

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



45.9529, 51.6140, 24.9933



36.4012, 51.6140, 65.7833



52.2990, 51.6140, 106.2954



64.3524, 51.6140, 47.5938

Rectangle

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



45.9529, 51.6140, 24.9933



37.4108, 51.6140, 39.5037



52.2990, 51.6140, 106.2954



62.9007, 51.6140, 77.0382

Sweetspot

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



45.9542, 51.6164, 24.9944



89.7818, 96.7293, 84.7444



33.8947, 26.8341, 23.0198



19.1042, 20.6320, 17.6276



0.0000, 0.0000, 0.0000



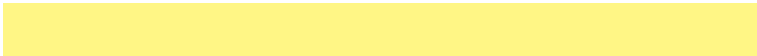
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9542, 51.6164, 24.9944



78.3497, 88.7497, 35.0466



39.4095, 50.2497, 25.0755



11.4533, 12.2757, 11.3286



26.2072, 29.9317, 4.3961



1.2617, 1.4588, 0.2151

Inverse Universe

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



25.2500, 22.7119, 57.0857



37.2989, 31.4521, 98.7127



29.9174, 24.0254, 57.0932



10.1195, 10.4130, 13.3940



6.7631, 2.9200, 34.9515



0.3429, 0.1836, 1.6625

Previews

White Background



This preview shows how the XYZ color 45.9529, 51.6140, 24.9933 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 45.9529, 51.6140, 24.9933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

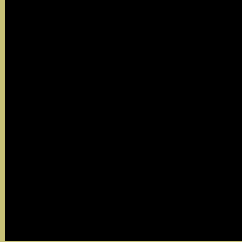
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9529, 51.6140, 24.9933

Background



This preview shows how black text looks on a background with the XYZ color 45.9529, 51.6140, 24.9933.



This preview shows how white text looks on a background with the XYZ color 45.9529, 51.6140,

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

45.9529, 51.6140, 24.9933

Protanopia

47.6959, 51.5448, 24.5748

Deuteranopia

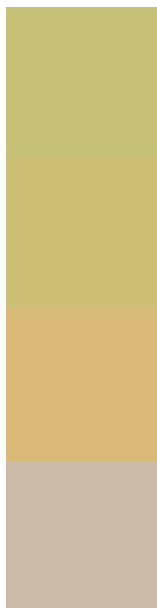
52.5539, 51.5191, 25.5866



Tritanopia

53.1390, 51.3541, 60.5377

Trichromacy



Original Color

45.9529, 51.6140, 24.9933

Protanomaly

47.0777, 51.5487, 24.6082

Deuteranomaly

49.9235, 51.4037, 25.3798

Tritanomaly

50.1086, 51.3844, 44.8133

Monochromacy



Original Color

45.9529, 51.6140, 24.9933

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2050, 50.0802, 41.4136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9529, 51.6140, 24.9933 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(199, 193, 119)` looks like.

```
.text, #text, p{  
    color:rgb(199, 193, 119)  
}
```

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(199, 193, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 193, 119) }
```

Border

The CSS property to change the border of an element to XYZ 45.9529, 51.6140, 24.9933 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(199, 193, 119) }
```


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

```
.border{ border-color:rgb(199, 193, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 193, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 193, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 193, 119);  
box-shadow:4px 4px 4px 4px rgb(199, 193,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9529, 51.6140, 24.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 193, 119) }
```

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

```
.background{ background-color: rgb(199,  
193, 119) }
```

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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