

Converting Colors

XYZ(45.6649, 51.7252, 27.8222)

Have a look what the booklet for
XYZ(45.6649, 51.7252, 27.8222)
contains.

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Color

**XYZ(45.6282, 51.7180,
27.6564)**

Conversions

Conversions Part 1

Format	Color
Hex	C3C27F
RGB	195, 194, 127
RGB Percent	76%, 76%, 50%
CMY	0.2353, 0.2392, 0.5020
CMYK	0.00, 0.01, 0.35, 0.24
HSL	59°, 36%, 63%
HSV	59°, 35%, 76%
XYZ	45.6282, 51.7180, 27.6564
YIQ	186.6610, 22.1030, -20.6250

Conversions

Conversions Part 2

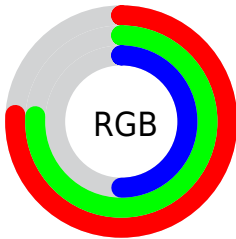
Format	Color
RYB	128, 195, 127
Decimal	12829311
CIELab	77.11, -9.84, 33.88
CIELCh	77, 35.278, 106.199
Yxy	51.7180, 0.3650, 0.4137
Android (android.graphics.Color)	4291019391 (0xFFC3C27F)
YUV	186.6610, -29.4129, 7.3133
Hunter-Lab	71.9152, -12.5984, 27.5395

Details

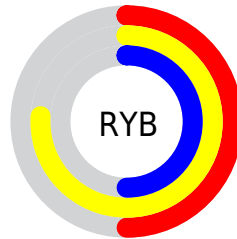
The XYZ color **45.6282, 51.7180, 27.6564** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.3218, 23.8898, 54.8536**, and the grayscale version is **47.1959, 49.6537, 54.0729**.

A 20% lighter version of the original color is **82.5687, 92.3619, 56.6558**, and **21.6796, 25.1610, 10.7351** is the 20% darker color. If you saturate the color by 10%, you get **44.4155, 51.1333, 21.5776**, and if you desaturate by 10%, it is **47.0896, 52.4061, 35.0328**.

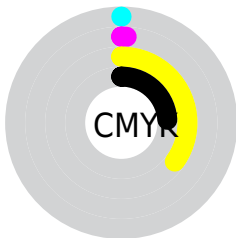
Distribution



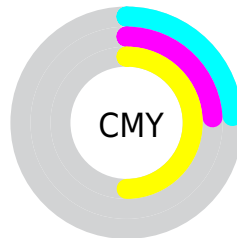
- Red (76%)
- Green (76%)
- Blue (50%)



- Red (50%)
- Yellow (76%)
- Blue (50%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (24%)



- Cyan (24%)
- Magenta (24%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6282, 51.7180, 27.6564 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 45.6282, 51.7180, 27.6564 by changing the saturation by 10% instead.

■ 45.6282, 51.7180,
27.6564

■ 45.6282, 51.7180,
27.6564

360.0529,
393.3470, 304.6815

■ 32.1559, 36.7803,
17.8300

■ 82.8936, 92.7152,
56.9519

■ 21.6367, 25.0375,
10.6598

■ 107.4174,
119.5436, 77.2581

■ 13.7053, 16.1050,
5.7273

■ 136.3557,
151.1043, 101.8946

■ 7.9963, 9.5985,
2.6139

170.0739,
187.7817, 131.2800

■ 4.1444, 5.1335,
0.8996

208.9374,
229.9603, 165.8329

■ 1.7841, 2.3258,
0.0000

253.3115,

■ 0.5081, 0.7873,

278.0245, 205.9717

0.0000

303.5615,
332.3586, 252.1151

■ 0.0000, 0.0000,
0.0000

■ 45.6282, 51.7180,
27.6564

■ 45.6282, 51.7180,
27.6564

■ 44.4155, 51.1333,
21.5776

■ 47.0896, 52.4061,
35.0328

■ 43.4334, 50.6391,
16.7181

■ 48.8089, 53.1957,
43.7727

■ 42.6675, 50.2317,
12.9964

■ 50.7997, 54.0940,
53.9411


■ 42.1000, 49.9038,
10.3195


■ 53.0732, 55.1057,
65.5981

■ 41.7107, 49.6474,
8.5797


■ 55.6403, 56.2350,
78.8004


 41.4747, 49.4524,
7.6466

 58.5111, 57.4860,
93.6016

 41.3877, 49.3662,
7.3473

 60.2960, 58.3028,
102.6834

 60.3604, 58.4316,
102.7048

 60.4249, 58.5606,
102.7263

Harmonies

Analogous

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



52.3139, 51.7180, 27.4069



45.6282, 51.7180, 27.6564



40.3818, 51.7180, 34.3271

Triad

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



45.6282, 51.7180, 27.6564



40.7192, 51.7180, 87.5799



62.8496, 51.7180, 65.6402

Complementary

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



45.6282, 51.7180, 27.6564



26.3218, 23.8898, 54.8536

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.



59.1180, 51.7180, 86.1135



45.6282, 51.7180, 27.6564



46.1286, 51.7180, 100.6043

Square

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



45.6282, 51.7180, 27.6564



37.7298, 51.7180, 67.3164



52.8620, 51.7180, 100.0135



62.6844, 51.7180, 46.5776

Rectangle

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



45.6282, 51.7180, 27.6564



38.2247, 51.7180, 42.6199



52.8620, 51.7180, 100.0135



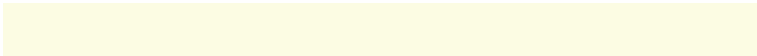
61.9957, 51.7180, 72.6615

Sweetspot

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



45.6295, 51.7203, 27.6575



89.0373, 96.0085, 86.6602



34.0005, 28.3434, 24.1476



19.3879, 20.9750, 18.4144



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.



45.6295, 51.7203, 27.6575



79.9948, 91.7993, 40.8690



38.2736, 48.2580, 27.3769



10.9004, 11.7322, 10.7519



26.9056, 32.0970, 4.7773



1.1666, 1.3950, 0.2078

Inverse Universe

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



26.3218, 23.8898, 54.8536



40.1567, 34.3775, 96.9888



31.9107, 26.5794, 55.0781



9.5399, 9.7711, 12.6680



6.4277, 2.6119, 33.7220



0.2819, 0.1212, 1.4584

Previews

White Background



This preview shows how the XYZ color 45.6282, 51.7180, 27.6564 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 45.6282, 51.7180, 27.6564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

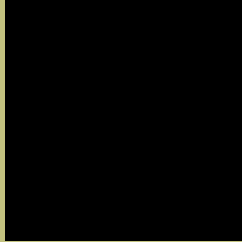
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6282, 51.7180, 27.6564

Background



This preview shows how black text looks on a background with the XYZ color 45.6282, 51.7180, 27.6564.



This preview shows how white text looks on a background with the XYZ color 45.6282, 51.7180,

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

45.6282, 51.7180, 27.6564

Protanopia

47.8473, 51.5730, 26.8348

Deuteranopia

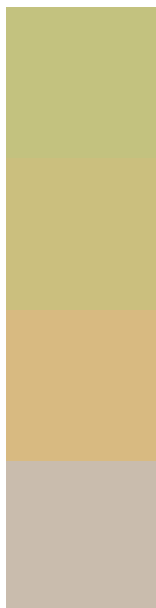
52.7521, 51.5616, 28.2911



Tritanopia

52.6761, 51.7054, 61.8474

Trichromacy



Original Color

45.6282, 51.7180, 27.6564

Protanomaly

47.0253, 51.4645, 27.1938

Deuteranomaly

49.8403, 51.3017, 28.0442

Tritanomaly

49.6134, 51.4011, 46.8417

Monochromacy



Original Color

45.6282, 51.7180, 27.6564

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.4402, 50.4907, 42.8953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6282, 51.7180, 27.6564 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(195, 194, 127)` looks like.

```
.text, #text, p{  
    color:rgb(195, 194, 127)  
}
```

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(195, 194, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 194, 127) }
```

Border

The CSS property to change the border of an element to XYZ 45.6282, 51.7180, 27.6564 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(195, 194, 127) }
```


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

```
.border{ border-color:rgb(195, 194, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 194, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 194, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 194, 127);  
box-shadow:4px 4px 4px 4px rgb(195, 194,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6282, 51.7180, 27.6564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 194, 127) }
```

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

```
.background{ background-color: rgb(195,  
194, 127) }
```

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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