

Converting Colors

XYZ(42.0047, 51.3519, 27.4212)

Have a look what the booklet for
XYZ(42.0047, 51.3519, 27.4212)
contains.

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Color

**XYZ(41.8645, 51.1246,
27.4002)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C67E
RGB	176, 198, 126
RGB Percent	69%, 78%, 49%
CMY	0.3098, 0.2235, 0.5059
CMYK	0.11, 0.00, 0.36, 0.22
HSL	78°, 39%, 64%
HSV	78°, 36%, 78%
XYZ	41.8645, 51.1246, 27.4002
YIQ	183.2140, 10.0000, -27.0560

Conversions

Conversions Part 2

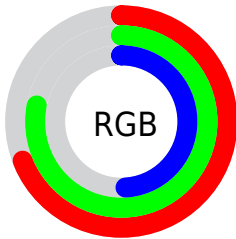
Format	Color
R _Y B	126, 198, 148
Decimal	11585150
CIE Lab	76.75, -19.38, 33.65
CIE LCh	77, 38.832, 119.931
Yxy	51.1246, 0.3477, 0.4247
Android (android.graphics.Color)	4289775230 (0xFFB0C67E)
YUV	183.2140, -28.2065, -6.3267
Hunter-Lab	71.5015, -20.6148, 27.3304

Details

The XYZ color **41.8645, 51.1246, 27.4002** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.8686, 25.2962, 56.7373**, and the grayscale version is **45.2745, 47.6323, 51.8716**.

A 20% lighter version of the original color is **77.1754, 91.9305, 56.3246**, and **19.3038, 24.6059, 10.5695** is the 20% darker color. If you saturate the color by 10%, you get **39.3738, 49.9755, 21.2617**, and if you desaturate by 10%, it is **44.6717, 52.4108, 34.8755**.

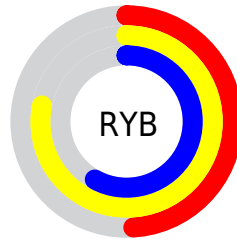
Distribution



Red (69%)

Green (78%)

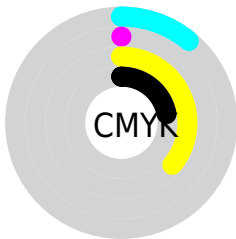
Blue (49%)



Red (49%)

Yellow (78%)

Blue (58%)

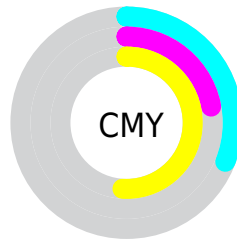


Cyan (11%)

Magenta (0%)

Yellow (36%)

Black (22%)



Cyan (31%)

Magenta (22%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8645, 51.1246, 27.4002 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 41.8645, 51.1246, 27.4002 by changing the saturation by 10% instead.

■ 41.8645, 51.1246,
27.4002

■ 41.8645, 51.1246,
27.4002

344.9221,
391.0477, 303.4109

■ 29.1859, 36.3078,
17.6389

■ 77.2610, 91.8389,
56.5369

■ 19.3664, 24.6720,
10.5243

■ 100.7095,
118.5052, 76.7494

■ 12.0409, 15.8328,
5.6378

■ 128.4787,
149.8901, 101.2828

■ 6.8440, 9.4060,
2.5609

160.9339,
186.3780, 130.5555

■ 3.4102, 5.0069,
0.8722

198.4405,
228.3534, 164.9861

■ 1.3742, 2.2513,
0.0000

241.3638,

■ 0.2377, 0.7478,

276.2005, 204.9932

0.0000

290.0693,
330.3038, 250.9953

■ 0.0000, 0.0000,
0.0000

■ 41.8645, 51.1246,
27.4002

■ 41.8645, 51.1246,
27.4002

■ 39.3738, 49.9755,
21.2617

■ 44.6717, 52.4108,
34.8755

■ 37.1799, 48.9504,
16.3779

■ 47.8060, 53.8333,
43.7570

■ 35.2668, 48.0444,
12.6623


■ 51.2824, 55.3998,
54.1130


■ 33.6150, 47.2497,
10.0166


■ 55.1134, 57.1155,
66.0064


■ 32.2018, 46.5571,
8.3261


■ 59.3111, 58.9852,
79.4966


 30.9983, 45.9550,
7.4432

 63.8867, 61.0137,
94.6397

 30.5928, 45.7505,
7.2183

 67.2658, 62.5710,
103.1399

 69.1126, 63.5230,
103.2263

 71.0262, 64.5095,
103.3158

Harmonies

Analogous

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



48.6095, 51.1246, 24.1650



41.8645, 51.1246, 27.4002



37.3400, 51.1246, 37.7201

Triad

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



41.8645, 51.1246, 27.4002



41.8377, 51.1246, 98.6505



64.1712, 51.1246, 55.7149

Complementary

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



41.8645, 51.1246, 27.4002



29.8686, 25.2962, 56.7373

Split Complementary

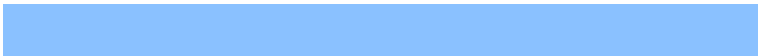
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.9048, 51.1246, 78.5558



41.8645, 51.1246, 27.4002



48.5753, 51.1246, 106.8600

Square

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



41.8645, 51.1246, 27.4002



37.3256, 51.1246, 78.4492



56.0050, 51.1246, 98.7221



61.9249, 51.1246, 37.7854

Rectangle

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



41.8645, 51.1246, 27.4002



35.9421, 51.1246, 48.8730



56.0050, 51.1246, 98.7221



63.9091, 51.1246, 63.0609

Sweetspot

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



41.8658, 51.1269, 27.4013



87.7745, 96.7336, 86.6821



37.5837, 34.5682, 24.4308



18.6070, 20.6236, 18.0174



0.0000, 0.0000, 0.0000



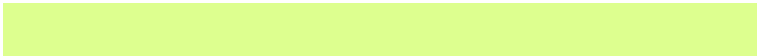
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8658, 51.1269, 27.4013



70.4338, 88.8240, 39.3397



34.8444, 47.5072, 27.0727



11.1963, 12.2481, 11.3368



19.9848, 29.7978, 4.6982



1.0176, 1.4477, 0.2258

Inverse Universe

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



29.8686, 25.2962, 56.7373



45.9941, 36.1624, 99.1636



37.3272, 29.1412, 57.0863



10.3565, 10.4420, 13.3872



7.9380, 3.3264, 34.9680



0.4507, 0.1961, 1.6592

Previews

White Background



This preview shows how the XYZ color 41.8645, 51.1246, 27.4002 looks on a white background.

Color Contrast Check

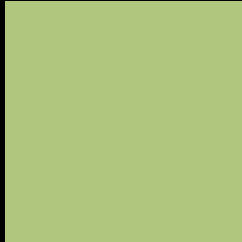
Large Text (above 18pt) WCAG AA × Fail

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 41.8645, 51.1246, 27.4002 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

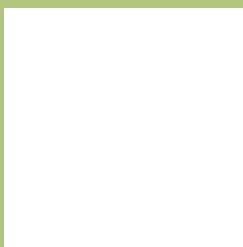
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8645, 51.1246, 27.4002

Background



This preview shows how black text looks on a background with the XYZ color 41.8645, 51.1246, 27.4002.



This preview shows how white text looks on a background with the XYZ color 41.8645, 51.1246,

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

41.8645, 51.1246, 27.4002

Protanopia

47.1640, 50.9221, 25.7555

Deuteranopia

51.9172, 50.8282, 28.1936



Tritanopia

49.2268, 51.1461, 63.7776

Trichromacy



Original Color

41.8645, 51.1246, 27.4002

Protanomaly

44.9305, 50.7314, 26.1629

Deuteranomaly

47.7452, 50.5355, 28.0068

Tritanomaly

45.8789, 50.7395, 47.9331

Monochromacy



Original Color

41.8645, 51.1246, 27.4002

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.3272, 48.2784, 41.2175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8645, 51.1246, 27.4002 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(176, 198, 126)` looks like.

```
.text, #text, p{  
    color:rgb(176, 198, 126)  
}
```

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(176, 198, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 198, 126) }
```

Border

The CSS property to change the border of an element to XYZ 41.8645, 51.1246, 27.4002 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(176, 198, 126) }
```


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

```
.border{ border-color:rgb(176, 198, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 198, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 198, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 198, 126);  
box-shadow:4px 4px 4px 4px rgb(176, 198,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8645, 51.1246, 27.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 198, 126) }
```

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

```
.background{ background-color: rgb(176,  
198, 126) }
```

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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