

Converting Colors

XYZ(41.1629, 67.4207, 29.6200)

Have a look what the booklet for
XYZ(41.1629, 67.4207, 29.6200)
contains.

XYZ(41.2148, 67.5288, 29.6010)	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(41.2148, 67.5288,
29.6010)**

Conversions

Conversions Part 1

Format	Color
Hex	6CF17B
RGB	108, 241, 123
RGB Percent	42%, 95%, 48%
CMY	0.5765, 0.0549, 0.5176
CMYK	0.55, 0.00, 0.49, 0.05
HSL	127°, 83%, 68%
HSV	127°, 55%, 95%
XYZ	41.2148, 67.5288, 29.6010
YIQ	187.7810, -41.3900, -64.8940

Conversions

Conversions Part 2

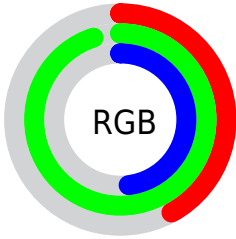
Format	Color
RYB	108, 228, 241
Decimal	7139707
CIELab	85.77, -60.22, 45.90
CIELCh	86, 75.717, 142.681
Yxy	67.5288, 0.2979, 0.4881
Android (android.graphics.Color)	4285329787 (0xFF6CF17B)
YUV	187.7810, -31.9370, -69.9679
Hunter-Lab	82.1759, -54.2823, 36.1660

Details

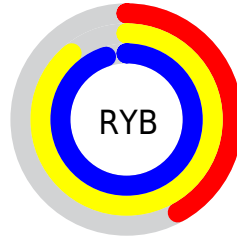
The XYZ color **41.2148, 67.5288, 29.6010** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.3677, 34.9181, 75.7750**, and the grayscale version is **47.8694, 50.3624, 54.8446**.

A 20% lighter version of the original color is **60.0580, 83.1293, 54.4752**, and **19.0408, 35.1292, 11.7383** is the 20% darker color. If you saturate the color by 10%, you get **37.4834, 65.7453, 23.1866**, and if you desaturate by 10%, it is **46.0518, 69.8524, 37.5959**.

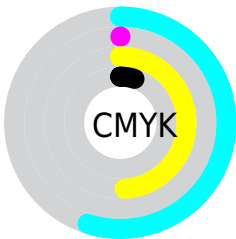
Distribution



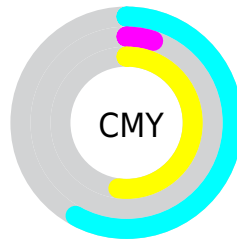
- Red (42%)
- Green (95%)
- Blue (48%)



- Red (42%)
- Yellow (89%)
- Blue (95%)



- Cyan (55%)
- Magenta (0%)
- Yellow (49%)
- Black (5%)



- Cyan (58%)
- Magenta (5%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2148, 67.5288, 29.6010 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 41.2148, 67.5288, 29.6010 by changing the saturation by 10% instead.

41.2148, 67.5288,
29.6010

41.2148, 67.5288,
29.6010

342.2648,
451.8247, 314.1894

28.6754, 49.5145,
19.2865

76.2825, 115.6778,
60.0841

18.9784, 35.0278,
11.6985

99.5415, 146.5813,
81.0898

11.7586, 23.6843,
6.4187

127.1044,
182.5499, 106.4963

6.6506, 15.0996,
3.0284

159.3366,
223.9682, 136.7221

3.2889, 8.8893,
1.1092

196.6033,
271.2204, 172.1857

1.3083, 4.6690,
0.0000

239.2700,

0.1894, 2.0544,

324.6909, 213.3058

0.0000

287.7021,
384.7642, 260.5009

■ 0.0000, 0.6388,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2148, 67.5288,
29.6010

■ 41.2148, 67.5288,
29.6010

■ 37.4834, 65.7453,
23.1866

■ 46.0518, 69.8524,
37.5959

■ 34.7649, 64.4504,
18.2437

■ 52.0677, 72.7460,
47.2617


■ 32.9595, 63.5972,
14.6566


■ 59.3352, 76.2472,
58.6875


■ 31.9441, 63.1251,
12.2904

■ 67.9198, 80.3879,
71.9546

 31.6566, 62.9932,
11.5385

 77.8823, 85.1980,
87.1393

 89.2798, 90.7053,
104.3136

 90.7466, 91.3932,
107.4655

Harmonies

Analogous

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



52.2025, 67.5288, 16.0295



41.2148, 67.5288, 29.6010



36.5406, 67.5288, 62.0554

Triad

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



41.2148, 67.5288, 29.6010



60.0423, 67.5288, 214.1092



99.9928, 67.5288, 42.5927

Complementary

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



41.2148, 67.5288, 29.6010



55.3677, 34.9181, 75.7750

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.



103.1149, 67.5288, 86.3326



41.2148, 67.5288, 29.6010



77.8716, 67.5288, 200.9593

Square

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



41.2148, 67.5288, 29.6010



46.0696, 67.5288, 178.1744



94.4099, 67.5288, 147.6470



86.5156, 67.5288, 20.8354

Rectangle

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



41.2148, 67.5288, 29.6010



36.9127, 67.5288, 96.4641



94.4099, 67.5288, 147.6470



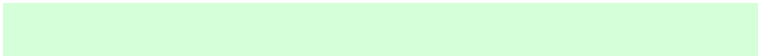
102.3761, 67.5288, 54.5493

Sweetspot

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



41.2165, 67.5316, 29.6025



75.2751, 90.4509, 78.8235



66.0646, 80.4416, 26.2325



15.6770, 19.1504, 16.2014



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.



41.2165, 67.5316, 29.6025



42.2476, 74.5659, 25.7154



46.6970, 69.7238, 58.4626



15.6384, 17.6854, 17.1187



17.1902, 34.1681, 6.3845



1.4537, 2.8519, 0.6556

Inverse Universe

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



55.3677, 34.9181, 75.7750



59.7667, 34.0850, 82.7987



48.0908, 32.0073, 37.4553



16.3730, 15.9989, 19.5203



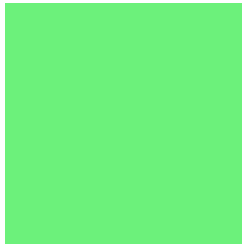
26.2726, 12.7815, 35.6815



2.2073, 1.0720, 3.0825

Previews

White Background



This preview shows how the XYZ color 41.2148, 67.5288, 29.6010 looks on a white background.

Color Contrast Check

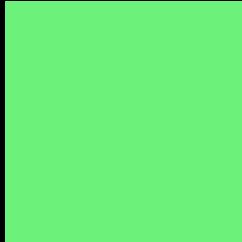
Large Text (above 18pt) WCAG AA × Fail

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 41.2148, 67.5288, 29.6010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

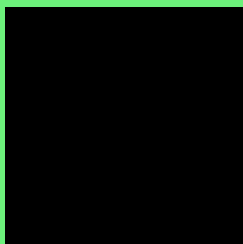
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

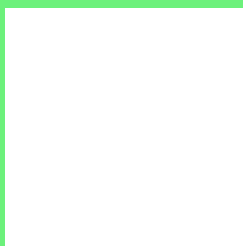
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2148, 67.5288, 29.6010

Background



This preview shows how black text looks on a background with the XYZ color 41.2148, 67.5288, 29.6010.



This preview shows how white text looks on a background with the XYZ color 41.2148, 67.5288,

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

41.2148, 67.5288, 29.6010

Protanopia

60.7066, 66.2732, 25.2152

Deuteranopia

67.4203, 66.2807, 33.2848



Tritanopia

54.5849, 66.9953, 97.2432

Trichromacy



Original Color

41.2148, 67.5288, 29.6010



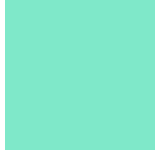
Protanomaly

50.3376, 64.7511, 26.6748



Deuteranomaly

53.4036, 63.8757, 31.7049



Tritanomaly

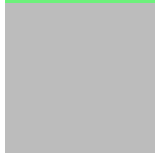
48.1516, 66.4423, 65.5451

Monochromacy



Original Color

41.2148, 67.5288, 29.6010



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.3117, 54.6769, 43.3929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2148, 67.5288, 29.6010 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(108, 241, 123)` looks like.

```
.text, #text, p{  
    color:rgb(108, 241, 123)  
}
```

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(108, 241, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 241, 123) }
```

Border

The CSS property to change the border of an element to XYZ 41.2148, 67.5288, 29.6010 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(108, 241, 123) }
```


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

```
.border{ border-color:rgb(108, 241, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 241, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 241, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 241, 123);  
box-shadow:4px 4px 4px 4px rgb(108, 241,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2148, 67.5288, 29.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 241, 123) }
```

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

```
.background{ background-color: rgb(108,  
241, 123) }
```

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