

Converting Colors

XYZ(41.9454, 67.8183, 27.4956)

Have a look what the booklet for
XYZ(41.9454, 67.8183, 27.4956)
contains.

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Color

**XYZ(42.0789, 68.0231,
27.4350)**

Conversions

Conversions Part 1

Format	Color
Hex	76F174
RGB	118, 241, 116
RGB Percent	46%, 95%, 45%
CMY	0.5373, 0.0549, 0.5451
CMYK	0.51, 0.00, 0.52, 0.05
HSL	119°, 82%, 70%
HSV	119°, 52%, 95%
XYZ	42.0789, 68.0231, 27.4350
YIQ	189.9730, -33.1830, -64.9510

Conversions

Conversions Part 2

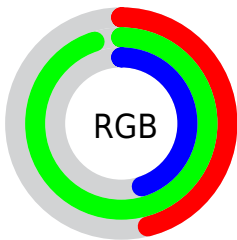
Format	Color
RYB	116, 241, 239
Decimal	7795060
CIELab	86.02, -58.66, 49.57
CIELCh	86, 76.798, 139.798
Yxy	68.0231, 0.3059, 0.4946
Android (android.graphics.Color)	4285985140 (0xFF76F174)
YUV	189.9730, -36.4687, -63.1203
Hunter-Lab	82.4761, -53.2634, 38.0110

Details

The XYZ color **42.0789, 68.0231, 27.4350** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **57.7227, 37.1947, 87.3597**, and the grayscale version is **49.1466, 51.7060, 56.3079**.

A 20% lighter version of the original color is **61.3758, 83.8873, 50.9872**, and **19.5059, 35.3967, 10.5068** is the 20% darker color. If you saturate the color by 10%, you get **38.0296, 66.0791, 20.8532**, and if you desaturate by 10%, it is **47.3046, 70.5355, 35.9727**.

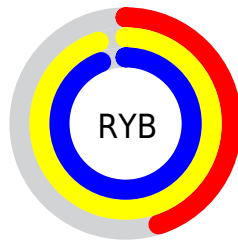
Distribution



Red (46%)

Green (95%)

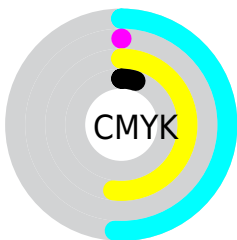
Blue (45%)



Red (45%)

Yellow (95%)

Blue (94%)

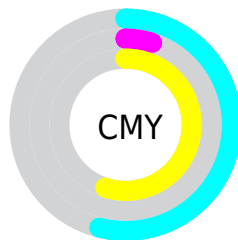


Cyan (51%)

Magenta (0%)

Yellow (52%)

Black (5%)



Cyan (54%)


Magenta (5%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0789, 68.0231, 27.4350 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 42.0789, 68.0231, 27.4350 by changing the saturation by 10% instead.


 42.0789, 68.0231,
27.4350


 42.0789, 68.0231,
27.4350


345.7960,
453.5779, 303.5837


 29.3545, 49.9165,
17.6649


 77.5834, 116.3852,
56.5933

 19.4948, 35.3471,
10.5427


 101.0942,
147.4095, 76.8186

 12.1344, 23.9304,
5.6500


 128.9312,
183.5085, 101.3660

 6.9082, 15.2820,
2.5681

161.4597,
225.0666, 130.6540

 3.4505, 9.0175,
0.8759

199.0451,
272.4682, 165.1013

 1.3963, 4.7526,
0.0000

242.0527,

 0.2536, 2.1029,

326.0977, 205.1263

0.0000

290.8478,
386.3394, 251.1476

■ 0.0000, 0.6662,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0789, 68.0231,
27.4350

■ 42.0789, 68.0231,
27.4350

■ 38.0296, 66.0791,
20.8532

■ 47.3046, 70.5355,
35.9727

■ 35.0611, 64.6517,
16.0684


■ 53.7830, 73.6467,
46.5994


■ 33.0713, 63.6938,
12.9047

■ 61.5894, 77.3949,
59.4421

■ 31.9360, 63.1462,
11.1486

■ 70.7922, 81.8128,
74.6161

 31.5049, 62.9382,
10.4878

 81.4548, 86.9308,
92.2289

 90.7467, 91.3933,
107.4656

Harmonies

Analogous

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



53.8455, 68.0231, 15.1491



42.0789, 68.0231, 27.4350



36.7169, 68.0231, 58.1776

Triad

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



42.0789, 68.0231, 27.4350



58.8380, 68.0231, 216.4528



102.0505, 68.0231, 45.8256

Complementary

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



42.0789, 68.0231, 27.4350



57.7227, 37.1947, 87.3597

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.



104.0519, 68.0231, 92.6110



42.0789, 68.0231, 27.4350



76.8198, 68.0231, 207.9792

Square

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



42.0789, 68.0231, 27.4350



45.1608, 68.0231, 175.6199



94.1313, 68.0231, 155.9926



89.0768, 68.0231, 21.9311

Rectangle

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



42.0789, 68.0231, 27.4350



36.6885, 68.0231, 91.8329



94.1313, 68.0231, 155.9926



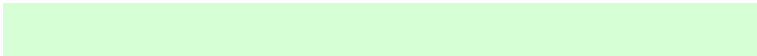
104.1088, 68.0231, 58.7518

Sweetspot

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



42.0806, 68.0260, 27.4365



75.9040, 90.8099, 77.2798



70.2732, 81.6495, 28.5802



15.7859, 19.2159, 15.7815



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.



42.0806, 68.0260, 27.4365



43.1053, 75.0579, 23.5006



46.5378, 69.7778, 52.3086



15.5893, 17.6684, 16.7384



17.0942, 34.1340, 5.6876



1.4302, 2.8438, 0.4735

Inverse Universe

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



57.7227, 37.1947, 87.3597



62.6322, 36.5350, 98.3586



50.8212, 34.5125, 47.4774



16.4278, 16.0178, 19.9475



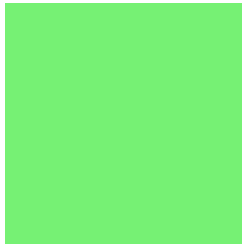
27.5878, 13.2274, 46.2270



2.3030, 1.1045, 3.8460

Previews

White Background



This preview shows how the XYZ color 42.0789, 68.0231, 27.4350 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 42.0789, 68.0231, 27.4350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

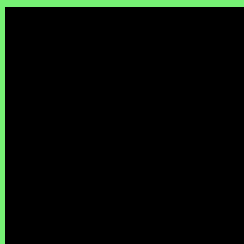
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

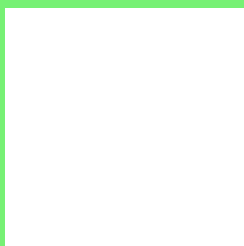
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0789, 68.0231, 27.4350

Background



This preview shows how black text looks on a background with the XYZ color 42.0789, 68.0231, 27.4350.

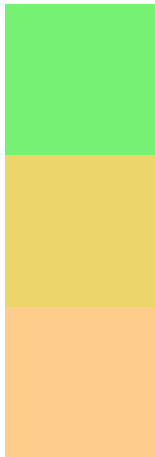


This preview shows how white text looks on a background with the XYZ color 42.0789, 68.0231,

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

42.0789, 68.0231, 27.4350

Protanopia

61.2925, 66.9875, 23.6093

Deuteranopia

67.7315, 66.7867, 33.7474



Tritanopia

55.8046, 67.6417, 96.5011

Trichromacy



Original Color

42.0789, 68.0231, 27.4350



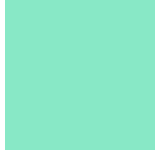
Protanomaly

51.4624, 65.7746, 24.7353



Deuteranomaly

54.3450, 64.7606, 31.1085



Tritanomaly

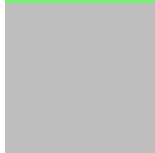
49.2030, 67.0247, 63.7699

Monochromacy



Original Color

42.0789, 68.0231, 27.4350



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.7212, 56.1378, 43.1290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0789, 68.0231, 27.4350 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(118, 241, 116)` looks like.

```
.text, #text, p{  
    color:rgb(118, 241, 116)  
}
```

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(118, 241, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 241, 116) }
```

Border

The CSS property to change the border of an element to XYZ 42.0789, 68.0231, 27.4350 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(118, 241, 116) }
```


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

```
.border{ border-color:rgb(118, 241, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 241, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 241, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 241, 116);  
box-shadow:4px 4px 4px 4px rgb(118, 241,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0789, 68.0231, 27.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 241, 116) }
```

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

```
.background{ background-color: rgb(118,  
241, 116) }
```

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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