

Converting Colors

XYZ(41.8275, 67.9671, 27.3872)

Have a look what the booklet for
XYZ(41.8275, 67.9671, 27.3872)
contains.

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Color

**XYZ(41.8101, 67.8846,
27.4224)**

Conversions

Conversions Part 1

Format	Color
Hex	74F174
RGB	116, 241, 116
RGB Percent	45%, 95%, 45%
CMY	0.5451, 0.0549, 0.5451
CMYK	0.52, 0.00, 0.52, 0.05
HSL	120°, 82%, 70%
HSV	120°, 52%, 95%
XYZ	41.8101, 67.8846, 27.4224
YIQ	189.3750, -34.3750, -65.3750

Conversions

Conversions Part 2

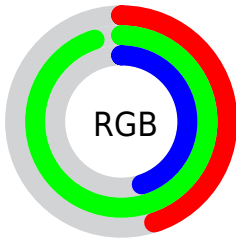
Format	Color
RYB	116, 241, 241
Decimal	7663988
CIELab	85.95, -59.17, 49.47
CIElCh	86, 77.127, 140.102
Yxy	67.8846, 0.3049, 0.4951
Android (android.graphics.Color)	4285854068 (0xFF74F174)
YUV	189.3750, -36.1739, -64.3499
Hunter-Lab	82.3921, -53.6059, 37.9411

Details

The XYZ color **41.8101, 67.8846, 27.4224** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.4001, 37.5434, 87.3888**, and the grayscale version is **48.8010, 51.3424, 55.9119**.

A 20% lighter version of the original color is **60.9202, 83.6524, 50.9659**, and **19.3531, 35.3180, 10.4997** is the 20% darker color. If you saturate the color by 10%, you get **37.7879, 65.9546, 20.8420**, and if you desaturate by 10%, it is **47.0301, 70.3941, 35.9596**.

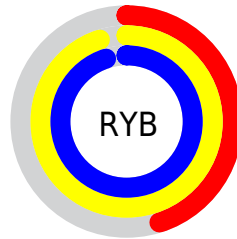
Distribution



Red (45%)

Green (95%)

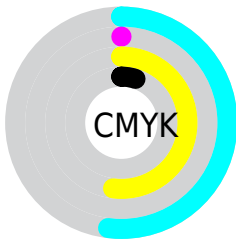
Blue (45%)



Red (45%)

Yellow (95%)

Blue (95%)

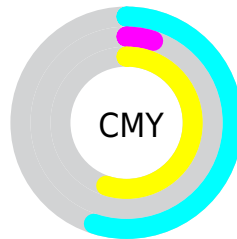


Cyan (52%)

Magenta (0%)

Yellow (52%)

Black (5%)



Cyan (55%)

Magenta (5%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8101, 67.8846, 27.4224 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 41.8101, 67.8846, 27.4224 by changing the saturation by 10% instead.

41.8101, 67.8846,
27.4224

41.8101, 67.8846,
27.4224

344.7002,
453.0870, 303.5212

29.1431, 49.8039,
17.6555

77.1791, 116.1870,
56.5729

19.3339, 35.2576,
10.5360

100.6118,
147.1775, 76.7935

12.0172, 23.8614,
5.6456

128.3638,
183.2401, 101.3359

6.8277, 15.2308,
2.5655

160.8004,
224.7590, 130.6184

3.3999, 8.9815,
0.8746

198.2870,
272.1188, 165.0596

1.3686, 4.7291,
0.0000

241.1889,

0.2337, 2.0892,

325.7038, 205.0781

0.0000

289.8715,
385.8984, 251.0925

0.0000, 0.6586,
0.0000

0.0000, 0.0000,
0.0000

41.8101, 67.8846,
27.4224

41.8101, 67.8846,
27.4224

37.7879, 65.9546,
20.8420

47.0301, 70.3941,
35.9596

34.8640, 64.5501,
16.0594


53.5273, 73.5150,
46.5868


32.9316, 63.6218,
12.8984

61.3799, 77.2870,
59.4312

31.8599, 63.1070,
11.1452

70.6587, 81.7441,
74.6082

 31.4567, 62.9134,
10.4857

 81.4293, 86.9178,
92.2253

 90.7467, 91.3934,
107.4656

Harmonies

Analogous

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



53.5360, 67.8846, 15.0223



41.8101, 67.8846, 27.4224



36.5073, 67.8846, 58.4194

Triad

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



41.8101, 67.8846, 27.4224



58.8567, 67.8846, 217.1665



101.9740, 67.8846, 45.2637

Complementary

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



41.8101, 67.8846, 27.4224



58.4001, 37.5434, 87.3888

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.



104.1106, 67.8846, 91.9332



41.8101, 67.8846, 27.4224



76.9173, 67.8846, 208.1077

Square

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



41.8101, 67.8846, 27.4224



45.0919, 67.8846, 176.5088



94.2537, 67.8846, 155.5373



88.8592, 67.8846, 21.5772

Rectangle

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



41.8101, 67.8846, 27.4224



36.5217, 67.8846, 92.3281



94.2537, 67.8846, 155.5373



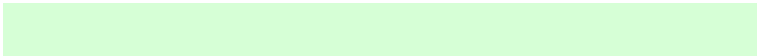
104.0818, 67.8846, 58.1284

Sweetspot

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



41.8118, 67.8874, 27.4239



75.7133, 90.7116, 77.2716



70.8863, 82.8760, 28.7836



15.7413, 19.1929, 15.7796



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.



41.8118, 67.8874, 27.4239



42.8323, 74.9172, 23.4888



46.7456, 69.8610, 53.4052



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6860



1.4190, 2.8381, 0.4731

Inverse Universe

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



58.4001, 37.5434, 87.3888



63.5548, 37.0107, 98.3983



50.6091, 34.4270, 46.3621



16.4543, 16.0314, 19.9486



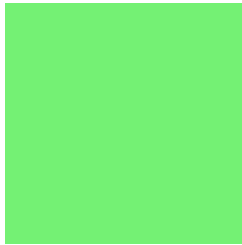
28.2808, 13.5848, 46.2568



2.3527, 1.1301, 3.8482

Previews

White Background



This preview shows how the XYZ color 41.8101, 67.8846, 27.4224 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 41.8101, 67.8846, 27.4224 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 41.8101, 67.8846, 27.4224

Background



This preview shows how black text looks on a background with the XYZ color 41.8101, 67.8846, 27.4224.



This preview shows how white text looks on a background with the XYZ color 41.8101, 67.8846,

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

41.8101, 67.8846, 27.4224

Protanopia

61.2925, 66.9875, 23.6093

Deuteranopia

67.6588, 66.7576, 33.3643



Tritanopia

55.4521, 67.4600, 96.4847

Trichromacy



Original Color

41.8101, 67.8846, 27.4224



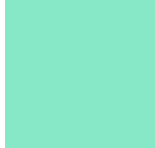
Protanomaly

51.2084, 65.6436, 24.7234



Deuteranomaly

54.0025, 64.5919, 30.7403



Tritanomaly

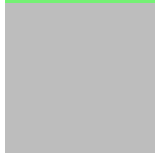
48.8812, 66.8588, 63.7548

Monochromacy



Original Color

41.8101, 67.8846, 27.4224



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

43.9778, 55.4018, 42.5582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8101, 67.8846, 27.4224 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(116, 241, 116)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 241, 116) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 41.8101, 67.8846, 27.4224 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(116, 241, 116) }
```


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

```
.border{ border-color:rgb(116, 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(116, 241, 116)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 41.8101, 67.8846, 27.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(116,  
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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