

Converting Colors

XYZ(42.9043, 75.0753, 18.0246)

Have a look what the booklet for
XYZ(42.9043, 75.0753, 18.0246)
contains.

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Color

**XYZ(42.9289, 75.0880,
18.0252)**

Conversions

Conversions Part 1

Format	Color
Hex	6BFF46
RGB	107, 255, 70
RGB Percent	42%, 100%, 27%
CMY	0.5804, 0.0000, 0.7255
CMYK	0.58, 0.00, 0.73, 0.00
HSL	108°, 100%, 64%
HSV	108°, 73%, 100%
XYZ	42.9289, 75.0880, 18.0252
YIQ	189.6580, -28.8230, -88.9110

Conversions

Conversions Part 2

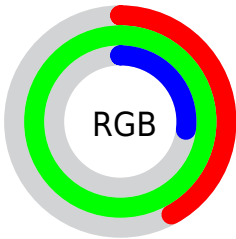
Format	Color
RYB	70, 255, 218
Decimal	7077702
CIELab	89.43, -70.83, 71.97
CIELCh	89, 100.977, 134.545
Yxy	75.0880, 0.3156, 0.5519
Android (android.graphics.Color)	4285267782 (0xFF6BFF46)
YUV	189.6580, -58.9914, -72.4911
Hunter-Lab	86.6533, -63.2127, 48.3241

Details

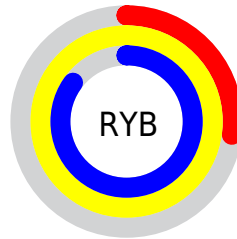
The XYZ color **42.9289, 75.0880, 18.0252** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **49.1561, 26.5077, 97.1334**, and the grayscale version is **49.0874, 51.6438, 56.2401**.

A 20% lighter version of the original color is **56.5170, 81.7629, 33.5719**, and **20.1799, 40.0427, 6.6654** is the 20% darker color. If you saturate the color by 10%, you get **40.1174, 73.7127, 14.5467**, and if you desaturate by 10%, it is **46.6609, 76.8983, 23.3313**.

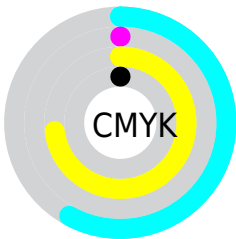
Distribution



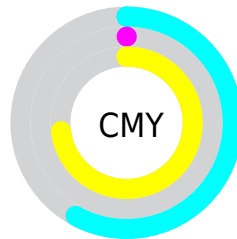
- Red (42%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9289, 75.0880, 18.0252 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 42.9289, 75.0880, 18.0252 by changing the saturation by 10% instead.


 42.9289, 75.0880,
18.0252


 42.9289, 75.0880,
18.0252


349.2458,
478.2200, 253.2539


 30.0236, 55.6850,
10.7985


 78.8599, 126.4369,
40.8948


 20.0047, 39.9504,
5.8190


 102.6164,
159.1516, 57.3747


 12.5067, 27.4999,
2.6683

 130.7206,
197.0723, 77.7761

 7.1644, 17.9490,
0.9274

 163.5380,
240.5835, 102.5175

 3.6124, 10.9134,
0.0000

 201.4338,
290.0694, 132.0174

 1.4853, 6.0086,
0.0000

244.7735,

 0.3158, 2.8503,

345.9145, 166.6944

0.0000

293.9224,
408.5033, 206.9671

■ 0.0000, 1.0541,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.9289, 75.0880,
18.0252

■ 42.9289, 75.0880,
18.0252

■ 40.1174, 73.7127,
14.5467

■ 46.6609, 76.8983,
23.3313


■ 38.1378, 72.7322,
12.6451


■ 51.3885, 79.1781,
30.6658


■ 37.1249, 72.2236,
11.9839


■ 57.1794, 81.9582,
40.2072

■ 64.0950, 85.2670,
52.1132

 72.1918, 89.1304,
66.5274

 81.5226, 93.5727,
83.5816

 92.1367, 98.6169,
103.3987

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



60.0755, 75.0880, 8.0792



42.9289, 75.0880, 18.0252



34.6349, 75.0880, 50.5608

Triad

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



42.9289, 75.0880, 18.0252



59.4276, 75.0880, 295.9314



128.0306, 75.0880, 52.0924

Complementary

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



42.9289, 75.0880, 18.0252



49.1561, 26.5077, 97.1334

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.



127.7423, 75.0880, 123.7036



42.9289, 75.0880, 18.0252



83.9956, 75.0880, 297.2530

Square

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



42.9289, 75.0880, 18.0252



42.5495, 75.0880, 219.4072



110.2114, 75.0880, 222.3738



110.9264, 75.0880, 18.5891

Rectangle

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



42.9289, 75.0880, 18.0252



33.6741, 75.0880, 93.0372



110.2114, 75.0880, 222.3738



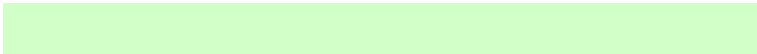
130.0716, 75.0880, 71.4295

Sweetspot

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



42.9291, 75.0881, 18.0264



72.6692, 89.3579, 67.3897



67.4175, 71.8458, 16.1099



15.0547, 18.8882, 13.5245



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.



42.9291, 75.0881, 18.0264



39.1388, 73.2299, 13.5218



42.0203, 74.3160, 31.7013



18.1107, 20.3430, 19.1164



19.4937, 37.7875, 6.2663



1.9816, 3.7223, 0.6140

Inverse Universe

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



49.1561, 26.5077, 97.1334



45.3580, 22.1113, 96.4850



53.7978, 29.7881, 57.2532



18.4159, 18.1061, 22.7742



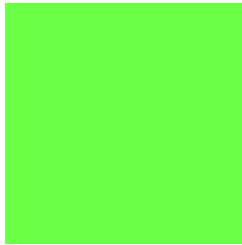
22.5695, 10.5455, 50.2805



2.2836, 1.0712, 4.8997

Previews

White Background



This preview shows how the XYZ color 42.9289, 75.0880, 18.0252 looks on a white background.

Color Contrast Check

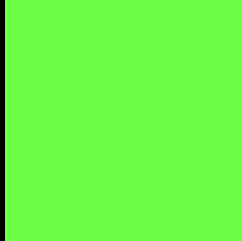
Large Text (above 18pt) WCAG AA × Fail

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 42.9289, 75.0880, 18.0252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

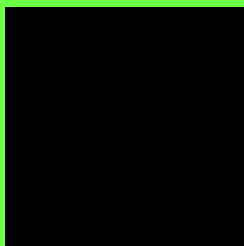
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

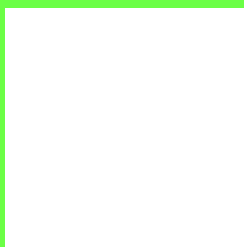
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9289, 75.0880, 18.0252

Background



This preview shows how black text looks on a background with the XYZ color 42.9289, 75.0880, 18.0252.

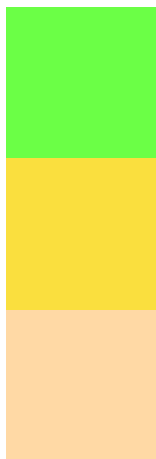


This preview shows how white text looks on a background with the XYZ color 42.9289, 75.0880,

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

42.9289, 75.0880, 18.0252

Protanopia

66.6815, 73.4471, 15.2197

Deuteranopia

72.8444, 73.6023, 45.9647



Tritanopia

61.2831, 74.4638, 105.7507

Trichromacy



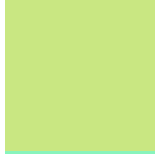
Original Color

42.9289, 75.0880, 18.0252



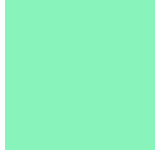
Protanomaly

53.9512, 71.8041, 16.0171



Deuteranomaly

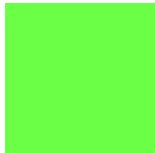
56.6926, 71.1810, 31.8704



Tritanomaly

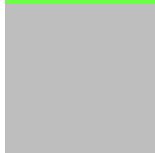
51.5811, 73.5664, 59.0581

Monochromacy



Original Color

42.9289, 75.0880, 18.0252



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

43.7321, 57.6420, 36.0152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9289, 75.0880, 18.0252 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(107, 255, 70)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 70)  
}
```

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(107, 255, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 70) }
```

Border

The CSS property to change the border of an element to XYZ 42.9289, 75.0880, 18.0252 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(107, 255, 70) }
```


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

```
.border{ border-color:rgb(107, 255, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 70);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9289, 75.0880, 18.0252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 70) }
```

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

```
.background{ background-color: rgb(107,  
255, 70) }
```

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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