

Converting Colors

XYZ(42.9923, 75.2484, 12.2585)

Have a look what the booklet for
XYZ(42.9923, 75.2484, 12.2585)
contains.

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Color

**XYZ(42.9625, 75.2330,
12.2571)**

Conversions

Conversions Part 1

Format	Color
Hex	74FF00
RGB	116, 255, 0
RGB Percent	45%, 100%, 0%
CMY	0.5451, 0.0000, 0.9998
CMYK	0.55, 0.00, 1.00, 0.00
HSL	93°, 100%, 50%
HSV	93°, 100%, 100%
XYZ	42.9625, 75.2330, 12.2571
YIQ	184.3690, -0.9890, -108.7730

Conversions

Conversions Part 2

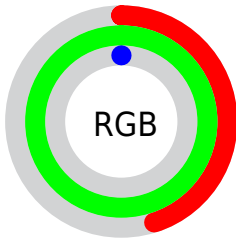
Format	Color
RYB	0, 255, 139
Decimal	7667456
CIELab	89.50, -71.02, 85.33
CIELCh	90, 111.022, 129.772
Yxy	75.2330, 0.3293, 0.5767
Android (android.graphics.Color)	4285857536 (0xFF74FF00)
YUV	184.3690, -90.8939, -59.9596
Hunter-Lab	86.7370, -63.3752, 52.3374

Details

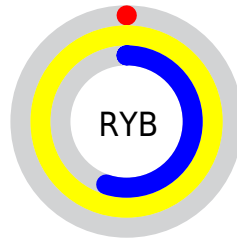
The XYZ color **42.9625, 75.2330, 12.2571** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **28.7047, 12.7134, 95.5488**, and the grayscale version is **46.2551, 48.6640, 52.9951**.

A 20% lighter version of the original color is **56.5582, 82.0136, 23.2052**, and **20.6594, 40.2898, 6.6879** is the 20% darker color. If you saturate the color by 10%, you get **42.9595, 75.2315, 12.2569**, and if you desaturate by 10%, it is **45.1323, 76.3306, 13.3052**.

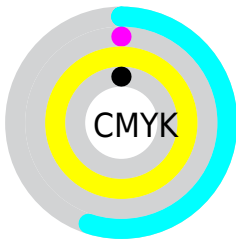
Distribution



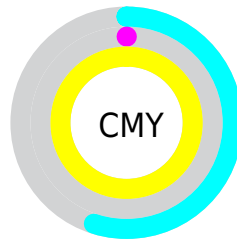
- Red (45%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (55%)



- Cyan (55%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9625, 75.2330, 12.2571 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 42.9625, 75.2330, 12.2571 by changing the saturation by 10% instead.


 42.9625, 75.2330,
12.2571

 42.9625, 75.2330,
12.2571


349.3817,
478.7180, 217.1380


 30.0501, 55.8038,
6.7944


 78.9103, 126.6421,
30.6339


 20.0249, 40.0456,
3.2573


 102.6765,
159.3908, 44.3850


 12.5215, 27.5741,
1.2275


 130.7912,
197.3482, 61.7360

 7.1746, 18.0049,
0.0012

 163.6199,
240.8985, 83.1054

 3.6188, 10.9535,
0.0000

 201.5280,
290.4263, 108.9118

 1.4888, 6.0356,
0.0000

 244.8807,

 0.3182, 2.8667,

346.3159, 139.5736

0.0000

294.0435,
408.9517, 175.5095

■ 0.0000, 1.0626,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.9625, 75.2330,
12.2571

■ 42.9625, 75.2330,
12.2571

■ 42.9595, 75.2315,
12.2569

■ 45.1323, 76.3306,
13.3052

■ 47.8259, 77.6711,
15.6080

■ 51.1263, 79.2887,
19.5461

■ 55.0878, 81.2066,
25.3520

■ 59.7572, 83.4444,
33.2208

■ 65.1761, 86.0200,
43.3230

■ 71.3825, 88.9495,
55.8114

■ 78.4112, 92.2479,
70.8252

■ 86.2951, 95.9293,
88.4931

Harmonies

Analogous

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



62.9807, 75.2330, 5.1843



42.9625, 75.2330, 12.2571



32.7622, 75.2330, 40.2302

Triad

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



42.9625, 75.2330, 12.2571



54.8843, 75.2330, 318.6460



136.5330, 75.2330, 59.0039

Complementary

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



42.9625, 75.2330, 12.2571



28.7047, 12.7134, 95.5488

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.



132.7665, 75.2330, 145.4896



42.9625, 75.2330, 12.2571



80.7695, 75.2330, 336.4657

Square

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



42.9625, 75.2330, 12.2571



38.3343, 75.2330, 220.2139



110.5167, 75.2330, 259.7343



119.7856, 75.2330, 18.5513

Rectangle

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



42.9625, 75.2330, 12.2571



30.8800, 75.2330, 81.3211



110.5167, 75.2330, 259.7343



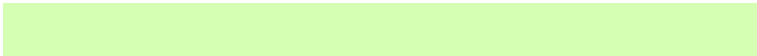
137.7053, 75.2330, 82.5136

Sweetspot

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



42.9627, 75.2331, 12.2582



71.3719, 88.9445, 55.7895



50.0471, 38.8738, 4.8668



14.6955, 18.7640, 10.7504



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.



42.9627, 75.2331, 12.2582



42.9595, 75.2315, 12.2569



35.8073, 71.5390, 12.1664



18.5563, 20.5727, 19.1372



22.6143, 39.3962, 6.4123



2.3259, 3.8998, 0.6301

Inverse Universe

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



28.7047, 12.7134, 95.5488



28.7012, 12.7109, 95.5485



57.9521, 27.9455, 89.9324



17.9495, 17.8657, 22.7523



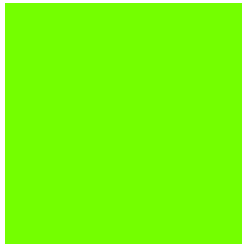
15.1714, 6.7316, 49.9343



1.6032, 0.7204, 4.8678

Previews

White Background



This preview shows how the XYZ color 42.9625, 75.2330, 12.2571 looks on a white background.

Color Contrast Check

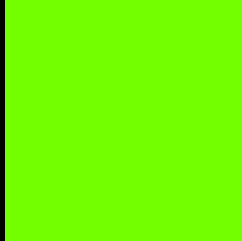
Large Text (above 18pt) WCAG AA × Fail

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 42.9625, 75.2330, 12.2571 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 42.9625, 75.2330, 12.2571

Background



This preview shows how black text looks on a background with the XYZ color 42.9625, 75.2330, 12.2571.



This preview shows how white text looks on a background with the XYZ color 42.9625, 75.2330,

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

42.9625, 75.2330, 12.2571

Protanopia

66.8005, 74.0068, 10.7640

Deuteranopia

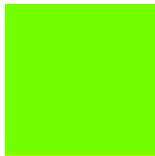
72.6637, 73.5301, 45.0133



Tritanopia

62.0445, 74.8563, 105.7864

Trichromacy



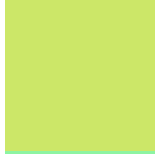
Original Color

42.9625, 75.2330, 12.2571



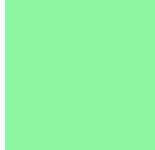
Protanomaly

54.3369, 72.1132, 11.0554



Deuteranomaly

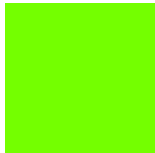
55.9764, 70.9887, 23.8486



Tritanomaly

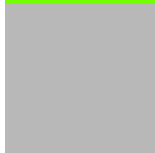
49.8568, 72.9727, 45.6398

Monochromacy



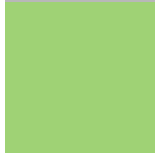
Original Color

42.9625, 75.2330, 12.2571



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.5556, 54.7485, 25.2596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9625, 75.2330, 12.2571 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, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 0)  
}
```

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, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.9625, 75.2330, 12.2571 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, 255, 0) }
```


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

```
.border{ border-color:rgb(116, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9625, 75.2330, 12.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 0) }
```

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

```
.background{ background-color: rgb(116,  
255, 0) }
```

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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