

Converting Colors

XYZ(43.1516, 75.3305, 12.2659)

Have a look what the booklet for
XYZ(43.1516, 75.3305, 12.2659)
contains.

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Color

**XYZ(43.0961, 75.3019,
12.2633)**

Conversions

Conversions Part 1

Format	Color
Hex	75FF00
RGB	117, 255, 0
RGB Percent	46%, 100%, 0%
CMY	0.5412, 0.0000, 0.9998
CMYK	0.54, 0.00, 1.00, 0.00
HSL	92°, 100%, 50%
HSV	92°, 100%, 100%
XYZ	43.0961, 75.3019, 12.2633
YIQ	184.6680, -0.3930, -108.5610

Conversions

Conversions Part 2

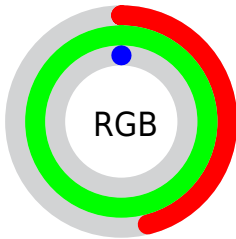
Format	Color
RYB	0, 255, 138
Decimal	7732992
CIELab	89.53, -70.77, 85.37
CIELCh	90, 110.887, 129.657
Yxy	75.3019, 0.3298, 0.5763
Android (android.graphics.Color)	4285923072 (0xFF75FF00)
YUV	184.6680, -91.0413, -59.3448
Hunter-Lab	86.7767, -63.2103, 52.3648

Details

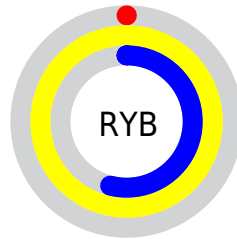
The XYZ color **43.0961, 75.3019, 12.2633** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **28.5381, 12.6275, 95.5410**, and the grayscale version is **46.4222, 48.8398, 53.1865**.

A 20% lighter version of the original color is **56.7918, 82.1341, 23.2161**, and **20.7656, 40.3446, 6.6928** is the 20% darker color. If you saturate the color by 10%, you get **43.0932, 75.3004, 12.2632**, and if you desaturate by 10%, it is **45.2707, 76.4020, 13.3115**.

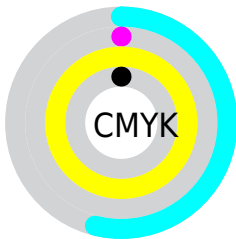
Distribution



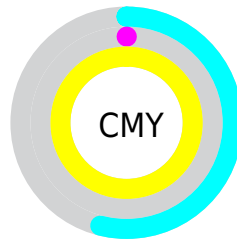
- Red (46%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (54%)



- Cyan (54%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.0961, 75.3019, 12.2633 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 43.0961, 75.3019, 12.2633 by changing the saturation by 10% instead.


 43.0961, 75.3019,
12.2633


 43.0961, 75.3019,
12.2633


349.9216,
478.9546, 217.1801


 30.1554, 55.8603,
6.7985


 79.1107, 126.7396,
30.6453

 20.1052, 40.0909,
3.2599


 102.9152,
159.5045, 44.3996


 12.5803, 27.6094,
1.2288


 131.0718,
197.4792, 61.7542

 7.2151, 18.0314,
0.0024

 163.9456,
241.0482, 83.1276

 3.6445, 10.9726,
0.0000

 201.9022,
290.5958, 108.9384

 1.5031, 6.0484,
0.0000

 245.3068,

 0.3279, 2.8745,

346.5065, 139.6050

0.0000

294.5249,
409.1646, 175.5461

■ 0.0000, 1.0666,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.0961, 75.3019,
12.2633

■ 43.0961, 75.3019,
12.2633

■ 43.0932, 75.3004,
12.2632

■ 45.2707, 76.4020,
13.3115

■ 47.9657, 77.7432,
15.6143

■ 51.2638, 79.3597,
19.5521

■ 55.2191, 81.2743,
25.3576

■ 59.8781, 83.5068,
33.2257

■ 65.2823, 86.0747,
43.3271

■ 71.4693, 88.9942,
55.8144

■ 78.4739, 92.2802,
70.8269

■ 86.3286, 95.9466,
88.4932

Harmonies

Analogous

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



63.1465, 75.3019, 5.2167



43.0961, 75.3019, 12.2633



32.8585, 75.3019, 40.1396

Triad

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



43.0961, 75.3019, 12.2633



54.8746, 75.3019, 318.1491



136.5646, 75.3019, 59.3292

Complementary

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



43.0961, 75.3019, 12.2633



28.5381, 12.6275, 95.5410

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.



132.7198, 75.3019, 145.9235



43.0961, 75.3019, 12.2633



80.7159, 75.3019, 336.3279

Square

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



43.0961, 75.3019, 12.2633



38.3653, 75.3019, 219.6840



110.4412, 75.3019, 260.0107



119.9041, 75.3019, 18.7094

Rectangle

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



43.0961, 75.3019, 12.2633



30.9542, 75.3019, 81.0958



110.4412, 75.3019, 260.0107



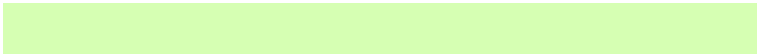
137.7072, 75.3019, 82.8927

Sweetspot

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



43.0963, 75.3020, 12.2644



71.4593, 88.9895, 55.7936



50.0469, 38.8735, 4.8667



14.7161, 18.7746, 10.7513



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.



43.0963, 75.3020, 12.2644



43.0932, 75.3004, 12.2632



35.8073, 71.5390, 12.1663



18.5633, 20.5763, 19.1376



22.6847, 39.4325, 6.4156



2.3330, 3.9034, 0.6305

Inverse Universe

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



28.5381, 12.6275, 95.5410



28.5348, 12.6251, 95.5407



57.9520, 27.9455, 89.9323



17.9424, 17.8621, 22.7520



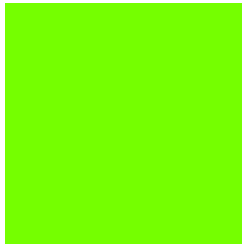
15.0844, 6.6868, 49.9302



1.5948, 0.7161, 4.8674

Previews

White Background



This preview shows how the XYZ color 43.0961, 75.3019, 12.2633 looks on a white background.

Color Contrast Check

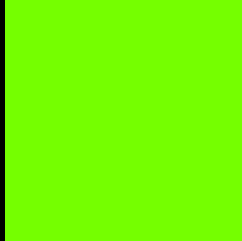
Large Text (above 18pt) WCAG AA × Fail

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 43.0961, 75.3019, 12.2633 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 43.0961, 75.3019, 12.2633

Background



This preview shows how black text looks on a background with the XYZ color 43.0961, 75.3019, 12.2633.



This preview shows how white text looks on a background with the XYZ color 43.0961, 75.3019,

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

43.0961, 75.3019, 12.2633

Protanopia

66.8005, 74.0068, 10.7640

Deuteranopia

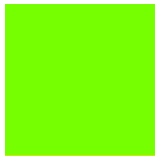
72.7537, 73.5660, 45.4871



Tritanopia

62.2388, 74.9565, 105.7955

Trichromacy



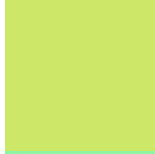
Original Color

43.0961, 75.3019, 12.2633



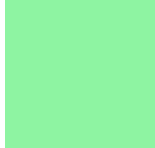
Protanomaly

54.3369, 72.1132, 11.0554



Deuteranomaly

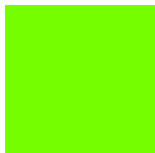
56.2514, 71.1304, 23.8615



Tritanomaly

50.0276, 73.0608, 45.6478

Monochromacy



Original Color

43.0961, 75.3019, 12.2633



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

40.8138, 54.8748, 25.5803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0961, 75.3019, 12.2633 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(117, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.0961, 75.3019, 12.2633 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(117, 255, 0) }
```


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

```
.border{ border-color:rgb(117, 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(117, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0961, 75.3019, 12.2633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 0) }
```

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

```
.background{ background-color: rgb(117,  
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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