

Converting Colors

XYZ(43.5057, 75.5131, 12.2825)

Have a look what the booklet for
XYZ(43.5057, 75.5131, 12.2825)
contains.

XYZ(43.5057, 75.5131, 12.2825)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.5057, 75.5131,
12.2825)**

Conversions

Conversions Part 1

Format	Color
Hex	78FF00
RGB	120, 255, 0
RGB Percent	47%, 100%, 0%
CMY	0.5294, 0.0000, 0.9998
CMYK	0.53, 0.00, 1.00, 0.00
HSL	92°, 100%, 50%
HSV	92°, 100%, 100%
XYZ	43.5057, 75.5131, 12.2825
YIQ	185.5650, 1.3950, -107.9250

Conversions

Conversions Part 2

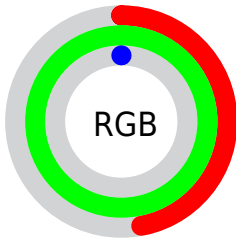
Format	Color
RYB	0, 255, 135
Decimal	7929600
CIELab	89.63, -69.98, 85.49
CIELCh	90, 110.478, 129.302
Yxy	75.5131, 0.3313, 0.5751
Android (android.graphics.Color)	4286119680 (0xFF78FF00)
YUV	185.5650, -91.4835, -57.5005
Hunter-Lab	86.8983, -62.7058, 52.4485

Details

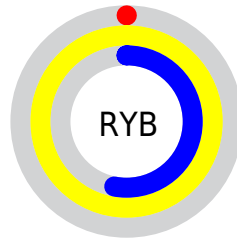
The XYZ color **43.5057, 75.5131, 12.2825** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **28.0486, 12.3751, 95.5180**, and the grayscale version is **46.9262, 49.3700, 53.7640**.

A 20% lighter version of the original color is **57.5029, 82.5007, 23.2494**, and **21.0050, 40.4680, 6.7040** is the 20% darker color. If you saturate the color by 10%, you get **43.5027, 75.5115, 12.2824**, and if you desaturate by 10%, it is **45.6936, 76.6200, 13.3313**.

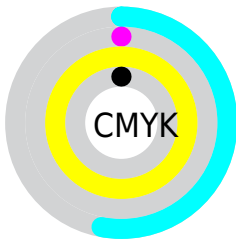
Distribution



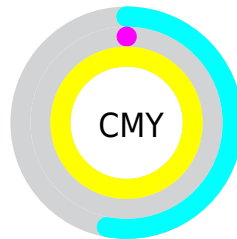
- Red (47%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (53%)



- Cyan (53%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.5057, 75.5131, 12.2825 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 43.5057, 75.5131, 12.2825 by changing the saturation by 10% instead.


 43.5057, 75.5131,
12.2825

 43.5057, 75.5131,
12.2825


351.5737,
479.6793, 217.3105


 30.4783, 56.0333,
6.8115


 79.7244, 127.0384,
30.6806

 20.3518, 40.2297,
3.2678


 103.6464,
159.8528, 44.4449


 12.7608, 27.7177,
1.2330


 131.9307,
197.8808, 61.8106

 7.3399, 18.1129,
0.0059

 164.9427,
241.5068, 83.1964

 3.7238, 11.0311,
0.0000

 203.0476,
291.1153, 109.0207

 1.5471, 6.0878,
0.0000

 246.6108,

 0.3575, 2.8985,

347.0906, 139.7021

0.0000

295.9977,
409.8171, 175.6592

■ 0.0000, 1.0790,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.5057, 75.5131,
12.2825

■ 43.5057, 75.5131,
12.2825

■ 43.5027, 75.5115,
12.2824

■ 45.6936, 76.6200,
13.3313

■ 48.3917, 77.9627,
15.6343

■ 51.6819, 79.5751,
19.5718

■ 55.6175, 81.4797,
25.3764

60.2445, 83.6956,
33.2432

65.6037, 86.2404,
43.3425

71.7321, 89.1297,
55.8271

78.6640, 92.3782,
70.8363

86.4313, 95.9995,
88.4986

Harmonies

Analogous

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



63.6547, 75.5131, 5.3165



43.5057, 75.5131, 12.2825



33.1537, 75.5131, 39.8651

Triad

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



43.5057, 75.5131, 12.2825



54.8458, 75.5131, 316.6397



136.6622, 75.5131, 60.3288

Complementary

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



43.5057, 75.5131, 12.2825



28.0486, 12.3751, 95.5180

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.



132.5788, 75.5131, 147.2529



43.5057, 75.5131, 12.2825



80.5536, 75.5131, 335.9102

Square

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



43.5057, 75.5131, 12.2825



38.4605, 75.5131, 218.0756



110.2124, 75.5131, 260.8564



120.2670, 75.5131, 19.1972

Rectangle

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



43.5057, 75.5131, 12.2825



31.1814, 75.5131, 80.4123



110.2124, 75.5131, 260.8564



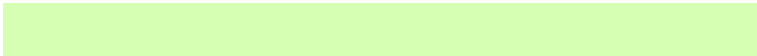
137.7144, 75.5131, 84.0564

Sweetspot

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



43.5058, 75.5131, 12.2836



71.7220, 89.1250, 55.8059



49.4602, 37.7000, 4.6711



14.7780, 18.8065, 10.7542



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.



43.5058, 75.5131, 12.2836



43.5027, 75.5115, 12.2824



35.7840, 71.5297, 12.0438



18.5843, 20.5871, 19.1385



22.9002, 39.5436, 6.4257



2.3546, 3.9146, 0.6315

Inverse Universe

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



28.0486, 12.3751, 95.5180



28.0452, 12.3727, 95.5178



58.6137, 28.2102, 93.4167



17.9213, 17.8511, 22.7510



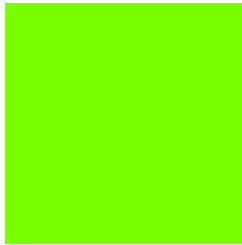
14.8282, 6.5547, 49.9182



1.5700, 0.7033, 4.8663

Previews

White Background



This preview shows how the XYZ color 43.5057, 75.5131, 12.2825 looks on a white background.

Color Contrast Check

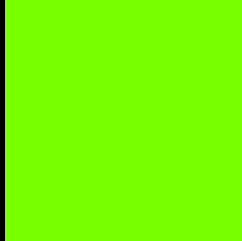
Large Text (above 18pt) WCAG AA × Fail

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 43.5057, 75.5131, 12.2825 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 43.5057, 75.5131, 12.2825

Background



This preview shows how black text looks on a background with the XYZ color 43.5057, 75.5131, 12.2825.



This preview shows how white text looks on a background with the XYZ color 43.5057, 75.5131,

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

43.5057, 75.5131, 12.2825

Protanopia

66.8005, 74.0068, 10.7640

Deuteranopia

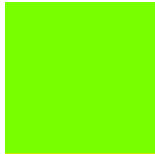
73.1029, 74.1194, 46.0508



Tritanopia

62.6323, 75.1593, 105.8139

Trichromacy



Original Color

43.5057, 75.5131, 12.2825



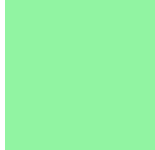
Protanomaly

54.6102, 72.2540, 11.0682



Deuteranomaly

56.5793, 71.2936, 24.1436



Tritanomaly

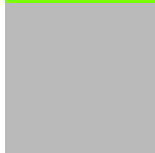
50.5493, 73.3297, 45.6722

Monochromacy



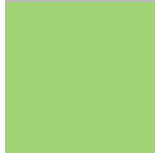
Original Color

43.5057, 75.5131, 12.2825



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

41.4646, 55.5779, 25.6817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5057, 75.5131, 12.2825 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(120, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.5057, 75.5131, 12.2825 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(120, 255, 0) }
```


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

```
.border{ border-color:rgb(120, 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(120, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5057, 75.5131, 12.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 0) }
```

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

```
.background{ background-color: rgb(120,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor