

Converting Colors

XYZ(43.7924, 75.5082, 19.1911)

Have a look what the booklet for
XYZ(43.7924, 75.5082, 19.1911)
contains.

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Color

**XYZ(43.7466, 75.4865,
19.1022)**

Conversions

Conversions Part 1

Format	Color
Hex	70FF4C
RGB	112, 255, 76
RGB Percent	44%, 100%, 30%
CMY	0.5608, 0.0000, 0.7019
CMYK	0.56, 0.00, 0.70, 0.00
HSL	108°, 100%, 65%
HSV	108°, 70%, 100%
XYZ	43.7466, 75.4865, 19.1022
YIQ	191.8370, -27.7690, -85.9850

Conversions

Conversions Part 2

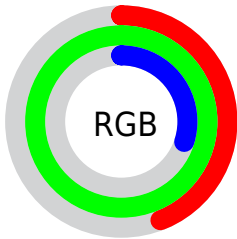
Format	Color
RYB	76, 255, 219
Decimal	7405388
CIELab	89.62, -69.21, 70.14
CIELCh	90, 98.542, 134.619
Yxy	75.4865, 0.3162, 0.5457
Android (android.graphics.Color)	4285595468 (0xFF70FF4C)
YUV	191.8370, -57.1076, -70.0170
Hunter-Lab	86.8830, -62.1683, 47.7825

Details

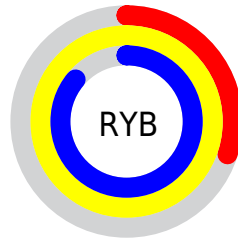
The XYZ color **43.7466, 75.4865, 19.1022** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **49.8502, 27.4509, 97.2789**, and the grayscale version is **50.3424, 52.9641, 57.6779**.

A 20% lighter version of the original color is **57.7423, 82.3552, 35.4071**, and **20.5619, 40.2396, 6.6833** is the 20% darker color. If you saturate the color by 10%, you get **40.7233, 74.0109, 15.2144**, and if you desaturate by 10%, it is **47.7080, 77.4052, 24.8687**.

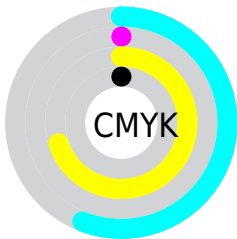
Distribution



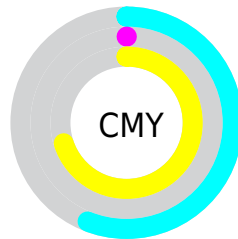
- Red (44%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (86%)



- Cyan (56%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7466, 75.4865, 19.1022 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 43.7466, 75.4865, 19.1022 by changing the saturation by 10% instead.


 43.7466, 75.4865,
19.1022

 43.7466, 75.4865,
19.1022


352.5429,
479.5881, 259.4539

 30.6684, 56.0115,
11.5666


 80.0850, 127.0008,
42.7457


 20.4971, 40.2122,
6.3304


 104.0759,
159.8089, 59.6907


 12.8672, 27.7040,
2.9750


 132.4351,
197.8302, 80.6092

 7.4136, 18.1027,
1.0819

 165.5280,
241.4491, 105.9198

 3.7707, 11.0237,
0.0000

 203.7198,
291.0499, 136.0411

 1.5732, 6.0828,
0.0000

247.3760,

 0.3749, 2.8955,

347.0171, 171.3915

0.0000

296.8619,
409.7350, 212.3896

■ 0.0000, 1.0774,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7466, 75.4865,
19.1022

■ 43.7466, 75.4865,
19.1022

■ 40.7233, 74.0109,
15.2144

■ 47.7080, 77.4052,
24.8687

■ 38.5529, 72.9395,
12.9669

■ 52.6799, 79.8000,
32.7074

■ 37.1393, 72.2310,
11.9845

■ 58.7286, 82.7012,
42.7914

■ 65.9138, 86.1365,
55.2750

■ 74.2911, 90.1313,
70.2985

■ 83.9122, 94.7095,
87.9917

94.8258, 99.8936,
108.4754

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.



60.6197, 75.4865, 8.8861



43.7466, 75.4865, 19.1022



35.5494, 75.4865, 51.6376

Triad

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



43.7466, 75.4865, 19.1022



60.0860, 75.4865, 289.6400



126.9306, 75.4865, 52.9060

Complementary

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



43.7466, 75.4865, 19.1022



49.8502, 27.4509, 97.2789

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.



126.6960, 75.4865, 122.9057



43.7466, 75.4865, 19.1022



84.1603, 75.4865, 290.7056

Square

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



43.7466, 75.4865, 19.1022



43.4321, 75.4865, 216.0453



109.6990, 75.4865, 218.4457



110.2819, 75.4865, 19.5808

Rectangle

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



43.7466, 75.4865, 19.1022



34.6076, 75.4865, 93.4114



109.6990, 75.4865, 218.4457



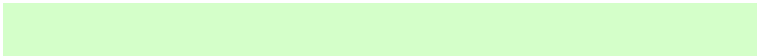
128.9259, 75.4865, 71.9089

Sweetspot

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



43.7469, 75.4867, 19.1034



73.5700, 89.7878, 68.9895



67.1565, 71.0055, 17.0046



15.2316, 18.9727, 13.8353



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.



43.7469, 75.4867, 19.1034



39.8016, 73.5577, 14.1799



42.5536, 74.5818, 32.1365



18.1126, 20.3440, 19.1165



19.5017, 37.7916, 6.2667



1.9827, 3.7229, 0.6141

Inverse Universe

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



49.8502, 27.4509, 97.2789



45.9663, 22.7782, 96.5817



54.7582, 30.8031, 60.3658



18.4138, 18.1051, 22.7741



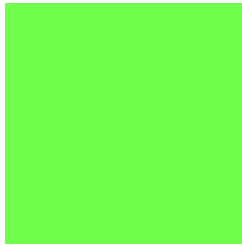
22.5291, 10.5247, 50.2786



2.2801, 1.0693, 4.8995

Previews

White Background



This preview shows how the XYZ color 43.7466, 75.4865, 19.1022 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 43.7466, 75.4865, 19.1022 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 43.7466, 75.4865, 19.1022

Background



This preview shows how black text looks on a background with the XYZ color 43.7466, 75.4865, 19.1022.

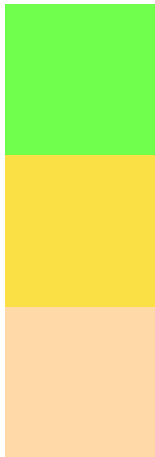


This preview shows how white text looks on a background with the XYZ color 43.7466, 75.4865, 19.1022.

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

43.7466, 75.4865, 19.1022

Protanopia

67.1234, 74.0527, 16.2247

Deuteranopia

73.0279, 73.6757, 46.9311



Tritanopia

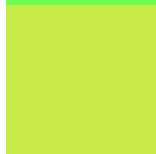
61.8518, 74.7569, 105.7773

Trichromacy



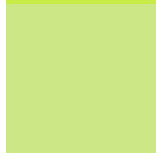
Original Color

43.7466, 75.4865, 19.1022



Protanomaly

54.6651, 72.1510, 17.0066



Deuteranomaly

57.5076, 71.5696, 33.3376



Tritanomaly

52.2924, 73.9080, 60.2248

Monochromacy



Original Color

43.7466, 75.4865, 19.1022



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

44.9097, 58.5894, 37.7961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7466, 75.4865, 19.1022 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(112, 255, 76)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 76)  
}
```

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(112, 255, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 76) }
```

Border

The CSS property to change the border of an element to XYZ 43.7466, 75.4865, 19.1022 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(112, 255, 76) }
```


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

```
.border{ border-color:rgb(112, 255, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 76);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7466, 75.4865, 19.1022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 76) }
```

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

```
.background{ background-color: rgb(112,  
255, 76) }
```

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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