

Converting Colors

XYZ(45.2641, 76.1425, 24.8817)

Have a look what the booklet for
XYZ(45.2641, 76.1425, 24.8817)
contains.

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Color

**XYZ(45.2285, 76.1241,
24.8800)**

Conversions

Conversions Part 1

Format	Color
Hex	73FF66
RGB	115, 255, 102
RGB Percent	45%, 100%, 40%
CMY	0.5490, 0.0000, 0.6000
CMYK	0.55, 0.00, 0.60, 0.00
HSL	115°, 100%, 70%
HSV	115°, 60%, 100%
XYZ	45.2285, 76.1241, 24.8800
YIQ	195.6980, -34.3270, -77.2630

Conversions

Conversions Part 2

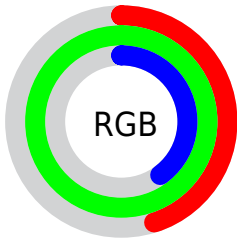
Format	Color
RYB	102, 255, 242
Decimal	7602022
CIELab	89.92, -66.18, 60.34
CIELCh	90, 89.562, 137.642
Yxy	76.1241, 0.3093, 0.5206
Android (android.graphics.Color)	4285792102 (0xFF73FF66)
YUV	195.6980, -46.1931, -70.7721
Hunter-Lab	87.2491, -60.1545, 44.1672

Details

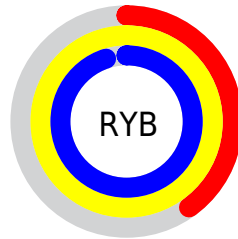
The XYZ color **45.2285, 76.1241, 24.8800** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **59.4211, 35.6015, 98.3477**, and the grayscale version is **52.5711, 55.3089, 60.2314**.

A 20% lighter version of the original color is **59.9773, 83.3014, 44.8159**, and **21.3948, 40.6142, 9.1943** is the 20% darker color. If you saturate the color by 10%, you get **41.4625, 74.3070, 19.0872**, and if you desaturate by 10%, it is **50.1604, 78.4974, 32.7593**.

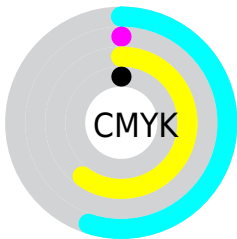
Distribution



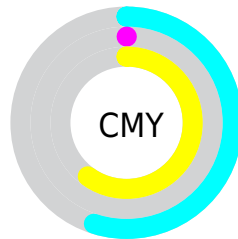
- Red (45%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (95%)



- Cyan (55%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2285, 76.1241, 24.8800 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 45.2285, 76.1241, 24.8800 by changing the saturation by 10% instead.


 45.2285, 76.1241,
24.8800


 45.2285, 76.1241,
24.8800


358.4663,
481.7724, 290.6683


 31.8395, 56.5343,
15.7695


 82.2981, 127.9023,
52.4242


 21.3939, 40.6314,
9.2086


 106.7095,
160.8595, 71.6949

 13.5263, 28.0312,
4.7788


 135.5257,
199.0412, 95.1895

 7.8714, 18.3492,
2.0616

 169.1120,
242.8320, 123.3264

 4.0639, 11.2010,
0.5928

207.8339,
292.6160, 156.5242

 1.7384, 6.2022,
0.0000

252.0567,

 0.4801, 2.9684,

348.7779, 195.2014

0.0000

302.1457,
411.7019, 239.7766

0.0000, 1.1153,
0.0000

0.0000, 0.0000,
0.0000

45.2285, 76.1241,
24.8800

45.2285, 76.1241,
24.8800

41.4625, 74.3070,
19.0872

50.1604, 78.4974,
32.7593

38.7648, 73.0000,
15.1798


56.3432, 81.4668,
42.8940


37.0231, 72.1503,
12.9236

63.8548, 85.0692,
55.4401

36.0836, 71.6868,
11.9353

72.7667, 89.3386,
70.5384

 36.0835, 71.6867,
11.9351

 83.1452, 94.3060,
88.3193

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.



60.2003, 76.1241, 12.5240



45.2285, 76.1241, 24.8800



38.2198, 76.1241, 59.4299

Triad

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



45.2285, 76.1241, 24.8800



63.6176, 76.1241, 268.1983



120.9924, 76.1241, 51.1475

Complementary

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



45.2285, 76.1241, 24.8800



59.4211, 35.6015, 98.3477

Split Complementary

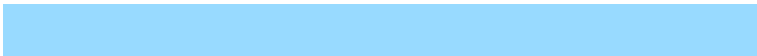
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



122.4296, 76.1241, 111.8216



45.2285, 76.1241, 24.8800



86.0416, 76.1241, 261.8825

Square

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



45.2285, 76.1241, 24.8800



47.2885, 76.1241, 209.6082



108.6019, 76.1241, 195.1948



105.0032, 76.1241, 21.4833

Rectangle

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



45.2285, 76.1241, 24.8800



37.8236, 76.1241, 100.1848



108.6019, 76.1241, 195.1948



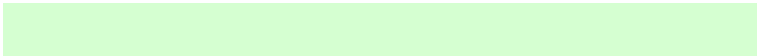
123.2956, 76.1241, 67.7031

Sweetspot

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



45.2288, 76.1243, 24.8812



74.7213, 90.2744, 73.8730



74.7105, 84.3633, 24.9176



15.3884, 19.0327, 14.7801



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.



45.2288, 76.1243, 24.8812



40.8403, 74.0061, 18.1609



47.8690, 76.9967, 47.0845



17.9145, 20.2419, 19.1072



18.9033, 37.4831, 6.2387



1.8871, 3.6736, 0.6096

Inverse Universe

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



59.4211, 35.6015, 98.3477



56.0620, 30.1987, 97.4819



55.7072, 34.6498, 54.6743



18.6315, 18.2173, 22.7843



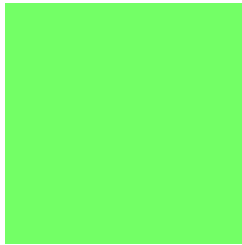
27.1117, 12.8871, 50.4931



2.6828, 1.2769, 4.9183

Previews

White Background



This preview shows how the XYZ color 45.2285, 76.1241, 24.8800 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 45.2285, 76.1241, 24.8800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

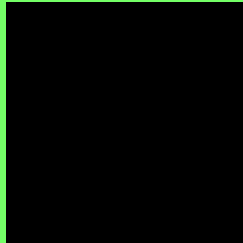
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2285, 76.1241, 24.8800

Background



This preview shows how black text looks on a background with the XYZ color 45.2285, 76.1241, 24.8800.

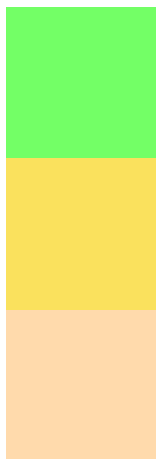


This preview shows how white text looks on a background with the XYZ color 45.2285, 76.1241,

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

45.2285, 76.1241, 24.8800

Protanopia

68.3253, 74.9647, 21.2244

Deuteranopia

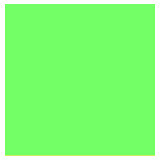
73.7578, 74.3814, 49.4993



Tritanopia

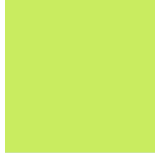
62.9226, 75.7400, 105.9107

Trichromacy



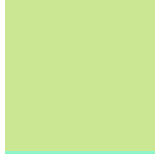
Original Color

45.2285, 76.1241, 24.8800



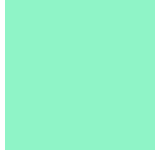
Protanomaly

56.1942, 73.2529, 22.2438



Deuteranomaly

58.7442, 72.0958, 38.4235



Tritanomaly

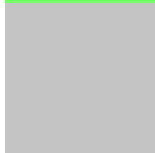
53.9872, 74.6645, 65.5991

Monochromacy



Original Color

45.2285, 76.1241, 24.8800



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.2708, 60.4498, 43.3590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2285, 76.1241, 24.8800 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(115, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 102)  
}
```

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(115, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 45.2285, 76.1241, 24.8800 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(115, 255, 102) }
```


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

```
.border{ border-color:rgb(115, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2285, 76.1241, 24.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 102) }
```

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

```
.background{ background-color: rgb(115,  
255, 102) }
```

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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