

Converting Colors

XYZ(47.4515, 79.2555, 36.8825)

Have a look what the booklet for
XYZ(47.4515, 79.2555, 36.8825)
contains.

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Color

**XYZ(45.9410, 76.2385,
36.3389)**

Conversions

Conversions Part 1

Format	Color
Hex	67FF8A
RGB	103, 255, 138
RGB Percent	40%, 100%, 54%
CMY	0.5961, 0.0000, 0.4588
CMYK	0.60, 0.00, 0.46, 0.00
HSL	134°, 100%, 70%
HSV	134°, 60%, 100%
XYZ	45.9410, 76.2385, 36.3389
YIQ	196.2140, -53.0350, -68.6110

Conversions

Conversions Part 2

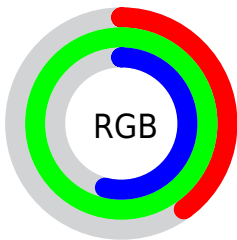
Format	Color
RYB	103, 227, 255
Decimal	6815626
CIELab	89.97, -64.37, 43.98
CIElCh	90, 77.960, 145.660
Yxy	76.2385, 0.2898, 0.4809
Android (android.graphics.Color)	4285005706 (0xFF67FF8A)
YUV	196.2140, -28.6995, -81.7487
Hunter-Lab	87.3147, -58.8821, 36.4448

Details

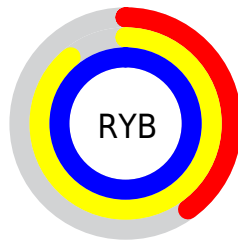
The XYZ color **45.9410, 76.2385, 36.3389** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.0087, 36.1282, 71.5730**, and the grayscale version is **52.7877, 55.5367, 60.4795**.

A 20% lighter version of the original color is **61.1115, 83.4772, 63.3439**, and **21.8430, 40.7059, 15.5099** is the 20% darker color. If you saturate the color by 10%, you get **42.1536, 74.4357, 29.4024**, and if you desaturate by 10%, it is **50.8777, 78.6042, 44.6722**.

Distribution



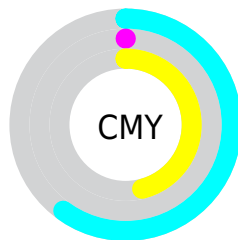
- Red (40%)
- Green (100%)
- Blue (54%)



- Red (40%)
- Yellow (89%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9410, 76.2385, 36.3389 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 45.9410, 76.2385, 36.3389 by changing the saturation by 10% instead.


 45.9410, 76.2385,
36.3389


 45.9410, 76.2385,
36.3389


361.2913,
482.1637, 345.5215

 32.4037, 56.6281,
24.4043


 83.3591, 128.0640,
70.7298

 21.8271, 40.7067,
15.4188


 107.9706,
161.0479, 94.0231

 13.8458, 28.0900,
8.9640


 137.0042,
199.2583, 121.9397

 8.0945, 18.3935,
4.6212

170.8253,
243.0798, 154.8982

 4.2078, 11.2329,
1.9720

209.7992,
292.8967, 193.3171

 1.8203, 6.2237,
0.5379

254.2912,

 0.5299, 2.9816,

349.0934, 237.6149

0.0000

304.6668,
412.0543, 288.2102

■ 0.0000, 1.1221,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9410, 76.2385,
36.3389

■ 45.9410, 76.2385,
36.3389

■ 42.1536, 74.4357,
29.4024

■ 50.8777, 78.6042,
44.6722

■ 39.4164, 73.1461,
23.7822


■ 57.0486, 81.5749,
54.4694


■ 37.6146, 72.3125,
19.3951

■ 64.5319, 85.1897,
65.7978

■ 36.5748, 71.8474,
16.1450

■ 73.3989, 89.4841,
78.7193

 36.5422, 71.8329,
16.0388

 83.7158, 94.4907,
93.2925

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.



57.5541, 76.2385, 19.3453



45.9410, 76.2385, 36.3389



41.4049, 76.2385, 75.2257

Triad

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



45.9410, 76.2385, 36.3389



69.6905, 76.2385, 240.4412



111.3156, 76.2385, 44.9756

Complementary

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



45.9410, 76.2385, 36.3389



59.0087, 36.1282, 71.5730

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.



116.1127, 76.2385, 91.3152



45.9410, 76.2385, 36.3389



89.7456, 76.2385, 220.3541

Square

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



45.9410, 76.2385, 36.3389



53.4827, 76.2385, 205.2931



107.6188, 76.2385, 158.5391



95.4724, 76.2385, 22.5534

Rectangle

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



45.9410, 76.2385, 36.3389



42.2861, 76.2385, 115.1231



107.6188, 76.2385, 158.5391



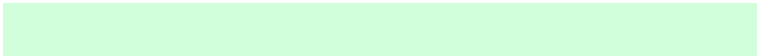
114.3813, 76.2385, 57.5053

Sweetspot

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



45.9415, 76.2388, 36.3401



74.9573, 90.2397, 80.9482



68.3531, 88.0395, 26.2233



15.4458, 19.0250, 16.4690



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.



45.9415, 76.2388, 36.3401



41.4069, 74.0823, 27.9406



53.2291, 79.1538, 74.7165



17.9429, 20.2367, 20.0022



19.1407, 37.5529, 8.6264



1.9033, 3.6722, 1.0486

Inverse Universe

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



59.0087, 36.1282, 71.5730



55.4938, 30.6075, 65.7490



51.2841, 33.0384, 30.8961



18.6032, 18.2246, 21.7935



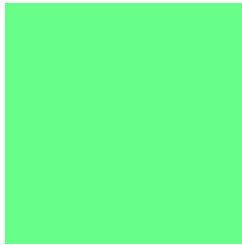
26.8318, 13.2220, 28.8284



2.6540, 1.3040, 3.0253

Previews

White Background



This preview shows how the XYZ color 45.9410, 76.2385, 36.3389 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 45.9410, 76.2385, 36.3389 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

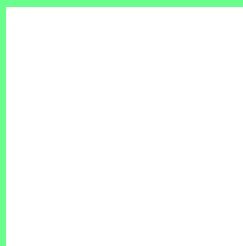
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9410, 76.2385, 36.3389

Background



This preview shows how black text looks on a background with the XYZ color 45.9410, 76.2385, 36.3389.

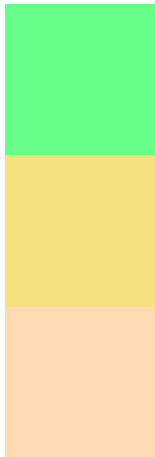


This preview shows how white text looks on a background with the XYZ color 45.9410, 76.2385,

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

45.9410, 76.2385, 36.3389

Protanopia

68.7620, 74.9756, 30.9263

Deuteranopia

74.4481, 74.6575, 53.1343



Tritanopia

62.1421, 75.3376, 105.8741

Trichromacy



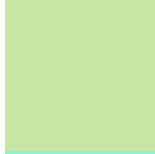
Original Color

45.9410, 76.2385, 36.3389



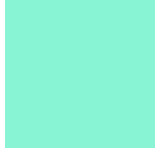
Protanomaly

56.3403, 73.0989, 32.6128



Deuteranomaly

59.0962, 72.1115, 45.9262



Tritanomaly

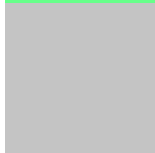
54.3877, 74.6891, 73.8373

Monochromacy



Original Color

45.9410, 76.2385, 36.3389



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.4510, 60.4022, 49.7153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9410, 76.2385, 36.3389 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(103, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 138)  
}
```

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(103, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 138) }
```

Border

The CSS property to change the border of an element to XYZ 45.9410, 76.2385, 36.3389 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(103, 255, 138) }
```


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

```
.border{ border-color:rgb(103, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9410, 76.2385, 36.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 138) }
```

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

```
.background{ background-color: rgb(103,  
255, 138) }
```

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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