

# Converting Colors

XYZ(45.3720, 75.7137, 46.7725)

Have a look what the booklet for  
XYZ(45.3720, 75.7137, 46.7725)  
contains.

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# Color

**XYZ(45.4314, 75.7421,  
46.8755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFFA3
RGB	77, 255, 163
RGB Percent	30%, 100%, 64%
CMY	0.6980, 0.0000, 0.3608
CMYK	0.70, 0.00, 0.36, 0.00
HSL	149°, 100%, 65%
HSV	149°, 70%, 100%
XYZ	45.4314, 75.7421, 46.8755
YIQ	191.2900, -76.5560, -66.3480

# Conversions

## Conversions Part 2

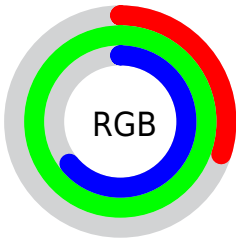
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 197, 255
Decimal	5111715
CIELab	89.74, -64.83, 31.29
CIELCh	90, 71.991, 154.235
Yxy	75.7421, 0.2703, 0.4507
Android (android.graphics.Color)	4283301795 (0xFF4DFFA3)
YUV	191.2900, -13.9470, -100.2323
Hunter-Lab	87.0299, -59.1218, 28.9866

# Details

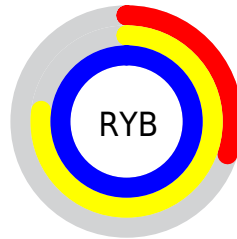
The XYZ color **45.4314, 75.7421, 46.8755** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **51.0557, 29.4329, 40.5269**, and the grayscale version is **49.8002, 52.3937, 57.0567**.

A 20% lighter version of the original color is **60.2689, 82.6929, 79.1145**, and **22.7807, 41.0583, 21.4762** is the 20% darker color. If you saturate the color by 10%, you get **42.6415, 74.4333, 40.8991**, and if you desaturate by 10%, it is **49.1513, 77.5161, 53.5405**.

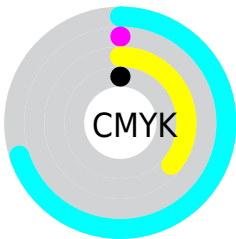
# Distribution



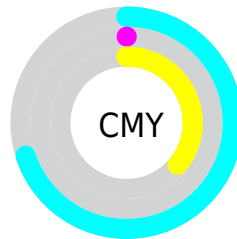
- Red (30%)
- Green (100%)
- Blue (64%)



- Red (30%)
- Yellow (77%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4314, 75.7421, 46.8755 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 45.4314, 75.7421, 46.8755 by changing the saturation by 10% instead.





 45.4314, 75.7421,  
46.8755


 45.4314, 75.7421,  
46.8755


359.2723,  
480.4644, 390.6967

 32.0001, 56.2211,  
32.5836


 82.6005, 127.3623,  
86.8758


 21.5171, 40.3802,  
21.5391


 107.0690,  
160.2302, 113.4213

 13.6171, 27.8351,  
13.3236


 135.9472,  
198.3159, 144.8883

 7.9348, 18.2014,  
7.5184

 169.6006,  
242.0037, 181.6956

 4.1047, 11.0947,  
3.7051

208.3944,  
291.6781, 224.2615

 1.7615, 6.1305,  
1.4650

252.6941,

 0.4943, 2.9246,

347.7234, 273.0046

0.1916

302.8649,  
410.5240, 328.3435

■ 0.0000, 1.0925,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.4314, 75.7421,  
46.8755

■ 45.4314, 75.7421,  
46.8755

■ 42.6415, 74.4333,  
40.8991

■ 49.1513, 77.5161,  
53.5405

■ 40.6759, 73.5356,  
35.5829


■ 53.8873, 79.7994,  
60.9130


■ 39.3706, 72.9649,  
30.9000

■ 59.7171, 82.6314,  
69.0160

■ 39.3479, 72.9552,  
30.8135

■ 66.7100, 86.0476,  
77.8699

 74.9292, 90.0803,  
87.4944

 84.4335, 94.7593,  
97.9082

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.



54.4534, 75.7421, 25.1989



45.4314, 75.7421, 46.8755



43.0478, 75.7421, 89.8984

# Triad

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



45.4314, 75.7421, 46.8755



74.5396, 75.7421, 223.3079



104.0365, 75.7421, 38.8122

# Complementary

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



45.4314, 75.7421, 46.8755



51.0557, 29.4329, 40.5269

# 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.



111.6513, 75.7421, 75.4630



45.4314, 75.7421, 46.8755



92.9387, 75.7421, 192.4790

# Square

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



45.4314, 75.7421, 46.8755



58.1571, 75.7421, 205.4561



107.2903, 75.7421, 132.6436



87.8602, 75.7421, 22.0652



# Rectangle

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



45.4314, 75.7421, 46.8755



45.1489, 75.7421, 129.4263



107.2903, 75.7421, 132.6436



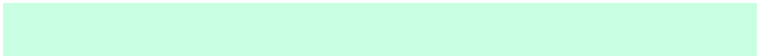
107.7931, 75.7421, 48.5156

# Sweetspot

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



45.4320, 75.7424, 46.8768



73.8783, 89.5639, 86.3005



54.0987, 80.8192, 19.7703



15.3093, 18.9230, 17.8919



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.



45.4320, 75.7424, 46.8768



41.7228, 74.0098, 38.5885



55.9302, 79.9417, 102.1596



18.1372, 20.3144, 21.0254



20.6348, 38.1505, 16.4939



2.0640, 3.7365, 1.8950



# Inverse Universe

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



51.0557, 29.4329, 40.5269



47.6534, 25.0830, 31.8254



45.4531, 27.1919, 11.0238



18.4014, 18.1439, 20.7309



23.7936, 12.0067, 12.8297

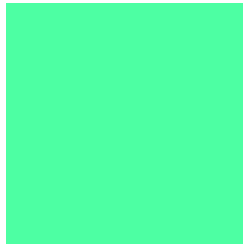


2.3719, 1.1911, 1.5400



# Previews

## White Background



This preview shows how the XYZ color 45.4314, 75.7421, 46.8755 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 45.4314, 75.7421, 46.8755 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 45.4314, 75.7421, 46.8755**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4314, 75.7421, 46.8755.



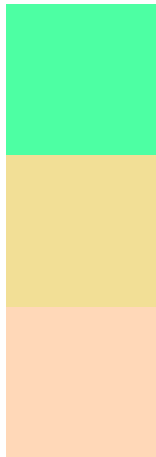
This preview shows how white text looks on a background with the XYZ color 45.4314, 75.7421,



# 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

45.4314, 75.7421, 46.8755

### Protanopia

68.5106, 73.8546, 39.4986

### Deuteranopia

74.4476, 73.8324, 55.6747



## Tritanopia

60.7706, 75.0640, 105.8936

# Trichromacy



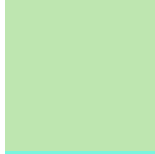
## Original Color

45.4314, 75.7421, 46.8755



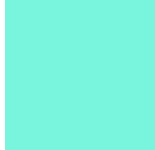
## Protanomaly

54.9161, 71.7283, 41.9609



## Deuteranomaly

57.3685, 70.6754, 51.6924



## Tritanomaly

53.7224, 74.6437, 80.6834

# Monochromacy



## Original Color

45.4314, 75.7421, 46.8755



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

44.9647, 57.9134, 52.5246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4314, 75.7421, 46.8755 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(77, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 163)  
}
```

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(77, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4314, 75.7421, 46.8755 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(77, 255, 163) }
```



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

```
.border{ border-color:rgb(77, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4314, 75.7421, 46.8755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 163) }
```

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

```
.background{ background-color: rgb(77, 255,  
163) }
```

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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