

# Converting Colors

XYZ(43.6381, 75.3042, 24.8071)

Have a look what the booklet for  
XYZ(43.6381, 75.3042, 24.8071)  
contains.

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# Color

**XYZ(43.6378, 75.3041,  
24.8056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FF66
RGB	102, 255, 102
RGB Percent	40%, 100%, 40%
CMY	0.6000, 0.0000, 0.6000
CMYK	0.60, 0.00, 0.60, 0.00
HSL	120°, 100%, 70%
HSV	120°, 60%, 100%
XYZ	43.6378, 75.3041, 24.8056
YIQ	191.8110, -42.0750, -80.0190

# Conversions

## Conversions Part 2

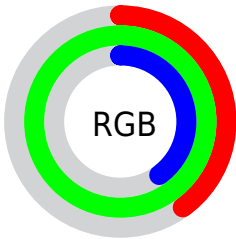
Format	Color
<a href="#">RYB</a>	<a href="#">102, 255, 255</a>
Decimal	<a href="#">6750054</a>
CIELab	<a href="#">89.54, -69.17, 59.81</a>
CIElCh	<a href="#">90, 91.439, 139.151</a>
Yxy	<a href="#">75.3041, 0.3036, 0.5239</a>
Android (android.graphics.Color)	<a href="#">4284940134 (0xFF66FF66)</a>
YUV	<a href="#">191.8110, -44.2768, -78.7642</a>
Hunter-Lab	<a href="#">86.7779, -62.0995, 43.7964</a>

# Details

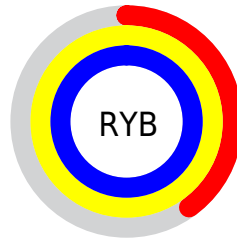
The XYZ color **43.6378, 75.3041, 24.8056** is a light color, and the websafe version is hex **66FF66**, and the color name is **screamin' green**. A complement of this color would be **64.0409, 37.9827, 98.5608**, and the grayscale version is **50.2605, 52.8780, 57.5841**.

A 20% lighter version of the original color is **57.5717, 82.0613, 44.7034**, and **20.4399, 40.1220, 9.1496** is the 20% darker color. If you saturate the color by 10%, you get **40.1026, 73.6060, 19.0237**, and if you desaturate by 10%, it is **48.4509, 77.6161, 32.6791**.

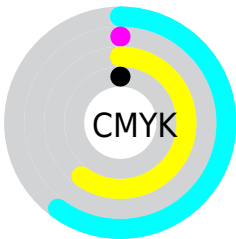
# Distribution



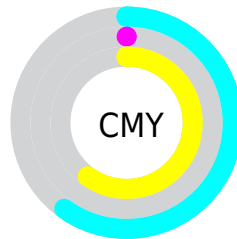
- Red (40%)
- Green (100%)
- Blue (40%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6378, 75.3041, 24.8056 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 43.6378, 75.3041, 24.8056 by changing the saturation by 10% instead.





 43.6378, 75.3041,  
24.8056

 43.6378, 75.3041,  
24.8056


352.1054,  
478.9621, 290.2850

 30.5825, 55.8621,  
15.7146


 79.9222, 126.7427,  
52.3019


 20.4314, 40.0923,  
9.1702


 103.8820,  
159.5081, 71.5442

 12.8191, 27.6105,  
4.7541


 132.2074,  
197.4834, 95.0074

 7.3803, 18.0323,  
2.0475

 165.2637,  
241.0530, 123.1100

 3.7495, 10.9732,  
0.5843

203.4163,  
290.6012, 156.2705

 1.5614, 6.0488,  
0.0000

247.0306,

 0.3670, 2.8748,

346.5126, 194.9075

0.0000

296.4718,  
409.1714, 239.4395

0.0000, 1.0667,  
0.0000

0.0000, 0.0000,  
0.0000

43.6378, 75.3041,  
24.8056

43.6378, 75.3041,  
24.8056

40.1026, 73.6060,  
19.0237

48.4509, 77.6161,  
32.6791

37.7230, 72.4629,  
15.1312

54.6471, 80.5924,  
42.8142

36.3544, 71.8055,  
12.8924

62.3218, 84.2789,  
55.3674

35.7601, 71.5200,  
11.9202

71.5615, 88.7173,  
70.4806

■ 35.7600, 71.5200,  
11.9202

■ 82.4462, 93.9458,  
88.2845

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.



58.3278, 75.3041, 11.8837



43.6378, 75.3041, 24.8056



37.0018, 75.3041, 60.8582

# Triad

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



43.6378, 75.3041, 24.8056



63.7538, 75.3041, 273.1728



120.5800, 75.3041, 47.7591

# Complementary

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



43.6378, 75.3041, 24.8056



64.0409, 37.9827, 98.5608

# Split Complementary

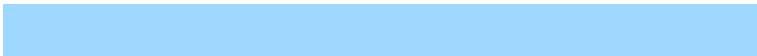
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



122.8843, 75.3041, 107.5299



43.6378, 75.3041, 24.8056



86.6883, 75.3041, 262.9705

# Square

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



43.6378, 75.3041, 24.8056



46.8925, 75.3041, 215.5468



109.4396, 75.3041, 192.3308



103.6794, 75.3041, 19.5287



# Rectangle

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



43.6378, 75.3041, 24.8056



36.8589, 75.3041, 103.2655



109.4396, 75.3041, 192.3308



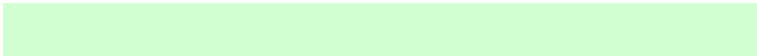
123.2030, 75.3041, 63.8636

# Sweetspot

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



43.6381, 75.3042, 24.8068



73.6039, 89.6984, 73.8214



79.3983, 93.7393, 26.4794



15.1227, 18.8958, 14.7679



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.



43.6381, 75.3042, 24.8068



39.5383, 73.3349, 18.1007



49.3259, 77.5793, 54.7580



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065



# Inverse Universe

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



64.0409, 37.9827, 98.5608



61.5681, 33.0372, 97.7359



54.0777, 33.9974, 46.0954



18.7927, 18.3004, 22.7917



30.9798, 14.8812, 50.6715

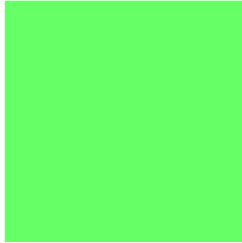


3.0164, 1.4489, 4.9337



# Previews

## White Background



This preview shows how the XYZ color 43.6378, 75.3041, 24.8056 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 43.6378, 75.3041, 24.8056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

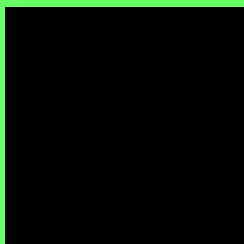
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.6378, 75.3041, 24.8056**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6378, 75.3041, 24.8056.



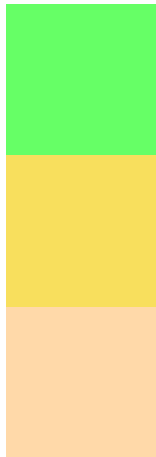
This preview shows how white text looks on a background with the XYZ color 43.6378, 75.3041,



# 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

43.6378, 75.3041, 24.8056

### Protanopia

67.0749, 73.5221, 21.0119

### Deuteranopia

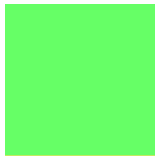
73.2143, 73.7503, 47.9125



## Tritanopia

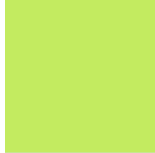
61.3870, 74.9484, 105.8388

# Trichromacy



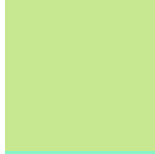
## Original Color

43.6378, 75.3041, 24.8056



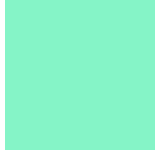
## Protanomaly

54.3253, 71.8633, 22.0741



## Deuteranomaly

57.2399, 71.3383, 37.5409



## Tritanomaly

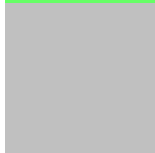
52.3324, 73.8114, 65.5217

# Monochromacy



## Original Color

43.6378, 75.3041, 24.8056



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

44.8565, 58.4750, 41.7235

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6378, 75.3041, 24.8056 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(102, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 255, 102) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 43.6378, 75.3041, 24.8056 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(102, 255, 102) }
```



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

```
.border{ border-color:rgb(102, 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(102, 255, 102)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 43.6378, 75.3041, 24.8056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(102,  
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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