

# Converting Colors

XYZ(43.6908, 75.2162, 30.0173)

Have a look what the booklet for  
XYZ(43.6908, 75.2162, 30.0173)  
contains.

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# Color

**XYZ(43.6644, 75.2032,  
29.9836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DFF78
RGB	93, 255, 120
RGB Percent	36%, 100%, 47%
CMY	0.6353, 0.0000, 0.5294
CMYK	0.64, 0.00, 0.53, 0.00
HSL	130°, 100%, 68%
HSV	130°, 64%, 100%
XYZ	43.6644, 75.2032, 29.9836
YIQ	191.1720, -53.2170, -76.3290

# Conversions

## Conversions Part 2

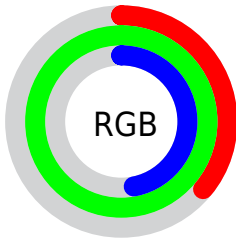
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 232, 255
Decimal	6160248
CIELab	89.49, -68.89, 51.76
CIELCh	89, 86.164, 143.081
Yxy	75.2032, 0.2933, 0.5052
Android (android.graphics.Color)	4284350328 (0xFF5DFF78)
YUV	191.1720, -35.0878, -86.0968
Hunter-Lab	86.7198, -61.8828, 40.2042

# Details

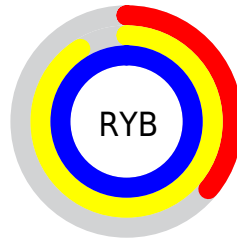
The XYZ color **43.6644, 75.2032, 29.9836** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **59.1579, 34.6904, 76.9755**, and the grayscale version is **49.8406, 52.4362, 57.1031**.

A 20% lighter version of the original color is **57.5984, 81.8842, 53.3269**, and **20.9794, 40.3378, 11.9904** is the 20% darker color. If you saturate the color by 10%, you get **40.3497, 73.6273, 23.8277**, and if you desaturate by 10%, it is **48.1262, 77.3374, 37.6894**.

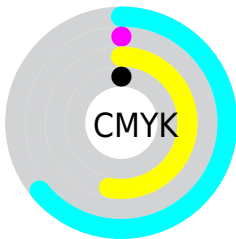
# Distribution



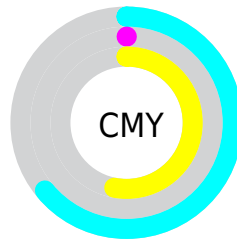
- Red (36%)
- Green (100%)
- Blue (47%)



- Red (36%)
- Yellow (91%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6644, 75.2032, 29.9836 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 43.6644, 75.2032, 29.9836 by changing the saturation by 10% instead.




 43.6644, 75.2032,  
29.9836


 43.6644, 75.2032,  
29.9836


352.2124,  
478.6157, 316.0329


 30.6035, 55.7794,  
19.5742


 79.9620, 126.6000,  
60.6969


 20.4475, 40.0261,  
11.9049


 103.9294,  
159.3417, 81.8380

 12.8309, 27.5589,  
6.5572


 132.2631,  
197.2915, 107.3933

 7.3884, 17.9934,  
3.1125

 165.3284,  
240.8338, 137.7814

 3.7546, 10.9452,  
1.1524

203.4906,  
290.3530, 173.4209

 1.5643, 6.0300,  
0.0000

247.1151,

 0.3690, 2.8633,

346.2334, 214.7303

0.0000

296.5672,  
408.8595, 262.1281

0.0000, 1.0608,  
0.0000

0.0000, 0.0000,  
0.0000

43.6644, 75.2032,  
29.9836

43.6644, 75.2032,  
29.9836

40.3497, 73.6273,  
23.8277

48.1262, 77.3374,  
37.6894

38.0724, 72.5553,  
19.1129

53.8284, 80.0760,  
47.0365

36.7024, 71.9227,  
15.7222

60.8559, 83.4610,  
58.1138

36.1870, 71.6908,  
14.1685

69.2859, 87.5303,  
71.0024

■ 79.1895, 92.3189,  
85.7786

■ 90.6328, 97.8596,  
102.5142

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.



56.7024, 75.2032, 14.7038



43.6644, 75.2032, 29.9836



38.2517, 75.2032, 68.6482

# Triad

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



43.6644, 75.2032, 29.9836



66.6938, 75.2032, 260.2640



115.7569, 75.2032, 44.2094

# Complementary

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



43.6644, 75.2032, 29.9836



59.1579, 34.6904, 76.9755

# 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.



119.8825, 75.2032, 96.7192



43.6644, 75.2032, 29.9836



88.6213, 75.2032, 242.3842

# Square

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



43.6644, 75.2032, 29.9836



49.7421, 75.2032, 214.6136



109.1361, 75.2032, 173.5712



98.7717, 75.2032, 19.6330



# Rectangle

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



43.6644, 75.2032, 29.9836



38.7538, 75.2032, 111.1470



109.1361, 75.2032, 173.5712



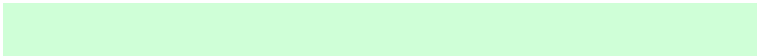
118.8150, 75.2032, 58.2680

# Sweetspot

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



43.6648, 75.2034, 29.9848



73.5842, 89.6077, 77.4558



69.7309, 88.8044, 23.8222



15.1614, 18.8952, 15.6966



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.



43.6648, 75.2034, 29.9848



39.6949, 73.3177, 22.5326



50.8171, 78.0643, 67.6483



17.8951, 20.2176, 19.7504



18.9444, 37.4744, 7.5926



1.8776, 3.6620, 0.9132



# Inverse Universe

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



59.1579, 34.6904, 76.9755



56.1980, 29.9303, 72.4136



50.4211, 31.1957, 30.9682



18.6550, 18.2453, 22.0663



27.8392, 13.6250, 34.1333

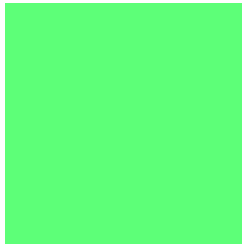


2.7436, 1.3398, 3.4972



# Previews

## White Background



This preview shows how the XYZ color 43.6644, 75.2032, 29.9836 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 43.6644, 75.2032, 29.9836 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 43.6644, 75.2032, 29.9836**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6644, 75.2032, 29.9836.



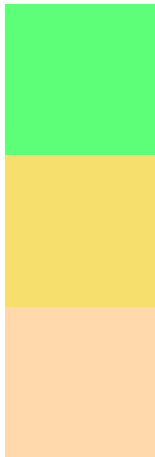
This preview shows how white text looks on a background with the XYZ color 43.6644, 75.2032,



# 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

43.6644, 75.2032, 29.9836

### Protanopia

67.5058, 73.6536, 25.1266

### Deuteranopia

73.1466, 73.3120, 48.8235



## Tritanopia

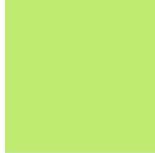
60.8373, 74.6650, 105.8131

# Trichromacy



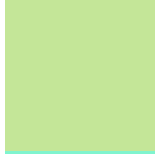
## Original Color

43.6644, 75.2032, 29.9836



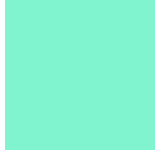
## Protanomaly

54.1748, 71.6853, 26.6041



## Deuteranomaly

56.7293, 70.5964, 40.3423



## Tritanomaly

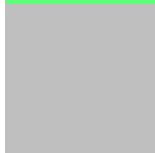
52.3933, 73.7468, 69.8657

# Monochromacy



## Original Color

43.6644, 75.2032, 29.9836



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

44.3557, 57.7783, 44.4118

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6644, 75.2032, 29.9836 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(93, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 120)  
}
```

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(93, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6644, 75.2032, 29.9836 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(93, 255, 120) }
```



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

```
.border{ border-color:rgb(93, 255, 120) }
```

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

Here you see how a box with a 4 pixel rgb(93, 255, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6644, 75.2032, 29.9836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 120) }
```

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

```
.background{ background-color: rgb(93, 255,  
120) }
```

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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