

# Converting Colors

XYZ(40.6788, 65.5638, 27.0955)

Have a look what the booklet for  
XYZ(40.6788, 65.5638, 27.0955)  
contains.

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# Color

**XYZ(40.6390, 65.5423,  
27.0320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74ED74
RGB	116, 237, 116
RGB Percent	45%, 93%, 45%
CMY	0.5451, 0.0706, 0.5451
CMYK	0.51, 0.00, 0.51, 0.07
HSL	120°, 77%, 69%
HSV	120°, 51%, 93%
XYZ	40.6390, 65.5423, 27.0320
YIQ	187.0270, -33.2750, -63.2830

# Conversions

## Conversions Part 2

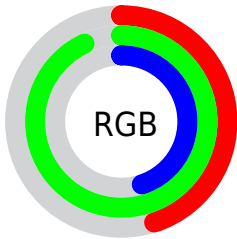
Format	Color
<b>RYB</b>	116, 237, 237
Decimal	7662964
CIELab	84.76, -57.64, 48.03
CIELCh	85, 75.028, 140.198
Yxy	65.5423, 0.3051, 0.4920
Android (android.graphics.Color)	4285853044 (0xFF74ED74)
YUV	187.0270, -35.0163, -62.2907
Hunter-Lab	80.9582, -52.0743, 36.8738

# Details

The XYZ color **40.6390, 65.5423, 27.0320** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.4584, 36.6108, 84.2131**, and the grayscale version is **47.4555, 49.9269, 54.3704**.

A 20% lighter version of the original color is **60.6949, 83.5362, 50.9554**, and **18.6119, 33.7165, 10.3775** is the 20% darker color. If you saturate the color by 10%, you get **36.6742, 63.6398, 20.5456**, and if you desaturate by 10%, it is **45.7622, 68.0052, 35.4107**.

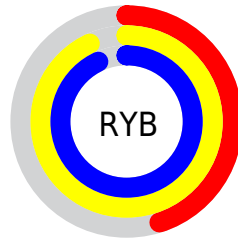
# Distribution



Red (45%)

Green (93%)

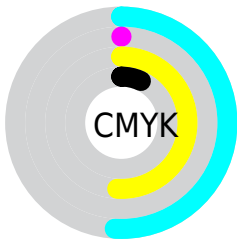
Blue (45%)



Red (45%)

Yellow (93%)

Blue (93%)

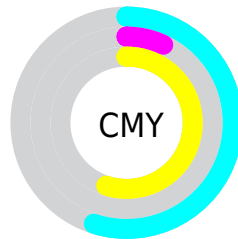


Cyan (51%)

Magenta (0%)

Yellow (51%)

Black (7%)



Cyan (55%)

Magenta (7%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6390, 65.5423, 27.0320 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 40.6390, 65.5423, 27.0320 by changing the saturation by 10% instead.





 40.6390, 65.5423,  
27.0320


 40.6390, 65.5423,  
27.0320

339.8980,  
444.7382, 301.5771


 28.2235, 47.9009,  
17.3646


 75.4138, 112.8292,  
55.9396

 18.6355, 33.7485,  
10.3301


 98.5038, 143.2435,  
76.0168

 11.5097, 22.7004,  
5.5099


 125.8827,  
178.6842, 100.4011

 6.4806, 14.3725,  
2.4855

157.9158,  
219.5357, 129.5110

 3.1828, 8.3802,  
0.8325

194.9685,  
266.1825, 163.7650

 1.2512, 4.3392,  
0.0000

237.4063,

 0.1462, 1.8650,

319.0089, 203.5817

0.0000

285.5943,  
378.3994, 249.3795

■ 0.0000, 0.5272,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.6390, 65.5423,  
27.0320

■ 40.6390, 65.5423,  
27.0320

■ 36.6742, 63.6398,  
20.5456

■ 45.7622, 68.0052,  
35.4107

■ 33.7733, 62.2463,  
15.8006


■ 52.1192, 71.0588,  
45.8088


■ 31.8350, 61.3153,  
12.6300


■ 59.7847, 74.7409,  
58.3470

■ 30.7362, 60.7875,  
10.8326

■ 68.8261, 79.0840,  
73.1358

 30.2855, 60.5710,  
10.0953

 79.3062, 84.1181,  
90.2778

 89.5755, 89.0510,  
107.0752

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.8007, 65.5423, 15.0088



40.6390, 65.5423, 27.0320



35.5908, 65.5423, 56.7529

# Triad

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



40.6390, 65.5423, 27.0320



56.9599, 65.5423, 206.7499



97.7730, 65.5423, 43.9641

# Complementary

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



40.6390, 65.5423, 27.0320



56.4584, 36.6108, 84.2131

# 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.



99.8322, 65.5423, 88.2904



40.6390, 65.5423, 27.0320



74.1210, 65.5423, 198.0619

# Square

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



40.6390, 65.5423, 27.0320



43.8306, 65.5423, 168.5741



90.5366, 65.5423, 148.4220



85.3320, 65.5423, 21.2920



# Rectangle

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



40.6390, 65.5423, 27.0320



35.6175, 65.5423, 89.0188



90.5366, 65.5423, 148.4220



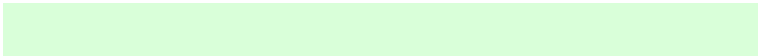
99.7790, 65.5423, 56.2136

# Sweetspot

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



40.6406, 65.5450, 27.0335



76.7930, 91.2302, 79.0376



68.3645, 79.8372, 28.3301



15.9538, 19.2950, 16.1272



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.



40.6406, 65.5450, 27.0335



43.2288, 75.1076, 24.1371



45.3743, 67.4385, 51.9610



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5115



1.2983, 2.5966, 0.4328



# Inverse Universe

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



56.4584, 36.6108, 84.2131



63.7941, 37.4890, 98.4788



49.0583, 33.6508, 45.2451



15.7149, 15.3138, 19.0498



27.4130, 13.1679, 44.8377



2.1526, 1.0340, 3.5209



# Previews

## White Background



This preview shows how the XYZ color 40.6390, 65.5423, 27.0320 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 40.6390, 65.5423, 27.0320 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

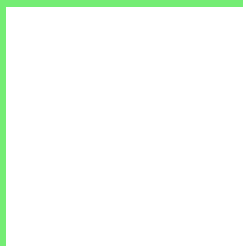
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.6390, 65.5423, 27.0320**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.6390, 65.5423, 27.0320.



This preview shows how white text looks on a background with the XYZ color 40.6390, 65.5423,



# 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

40.6390, 65.5423, 27.0320

### Protanopia

58.9791, 64.3105, 23.2146

### Deuteranopia

65.8283, 64.5140, 28.3849



## **Tritanopia**

53.5926, 64.9659, 92.9341

# Trichromacy



## Original Color

40.6390, 65.5423, 27.0320



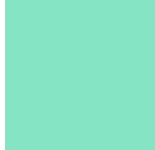
## Protanomaly

49.6429, 63.2593, 24.3457



## Deuteranomaly

52.4613, 62.3356, 27.6793



## Tritanomaly

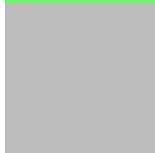
47.3801, 64.4589, 62.1692

# Monochromacy



## Original Color

40.6390, 65.5423, 27.0320



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

42.9623, 53.8129, 41.8408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6390, 65.5423, 27.0320 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(116, 237, 116)` looks like.

```
.text, #text, p{  
    color:rgb(116, 237, 116)  
}
```

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(116, 237, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 237, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6390, 65.5423, 27.0320 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(116, 237, 116) }
```



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

```
.border{ border-color:rgb(116, 237, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 237, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 237, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 237, 116);  
box-shadow:4px 4px 4px 4px rgb(116, 237,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6390, 65.5423, 27.0320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 237, 116) }
```

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

```
.background{ background-color: rgb(116,  
237, 116) }
```

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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