

# Converting Colors

XYZ(40.3327, 67.3759, 25.6979)

Have a look what the booklet for  
XYZ(40.3327, 67.3759, 25.6979)  
contains.

<b>XYZ(40.2136, 67.1006, 25.5841)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(40.2136, 67.1006,  
25.5841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AF16E
RGB	106, 241, 110
RGB Percent	42%, 95%, 43%
CMY	0.5843, 0.0549, 0.5686
CMYK	0.56, 0.00, 0.54, 0.05
HSL	122°, 83%, 68%
HSV	122°, 56%, 95%
XYZ	40.2136, 67.1006, 25.5841
YIQ	185.7010, -38.4090, -69.3610

# Conversions

## Conversions Part 2

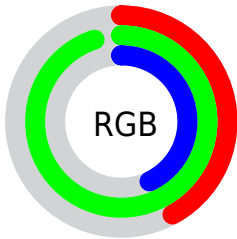
Format	Color
<a href="#">RYB</a>	<a href="#">106, 237, 241</a>
Decimal	<a href="#">7008622</a>
CIELab	<a href="#">85.55, -62.38, 51.68</a>
CIELCh	<a href="#">86, 81.003, 140.357</a>
Yxy	<a href="#">67.1006, 0.3026, 0.5049</a>
Android (android.graphics.Color)	<a href="#">4285198702 (0xFF6AF16E)</a>
YUV	<a href="#">185.7010, -37.3206, -69.8978</a>
Hunter-Lab	<a href="#">81.9150, -55.7221, 38.8227</a>

# Details

The XYZ color **40.2136, 67.1006, 25.5841** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **56.7175, 35.1242, 83.9120**, and the grayscale version is **46.7238, 49.1570, 53.5320**.

A 20% lighter version of the original color is **58.3972, 82.4158, 47.9520**, and **18.4441, 34.8677, 9.6289** is the 20% darker color. If you saturate the color by 10%, you get **36.6324, 65.3846, 19.6250**, and if you desaturate by 10%, it is **44.9387, 69.3714, 33.3532**.

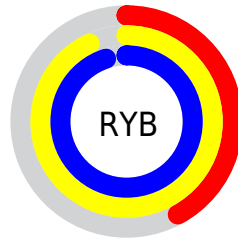
# Distribution



Red (42%)

Green (95%)

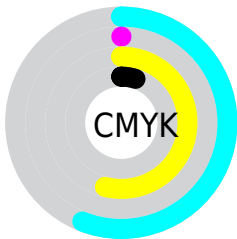
Blue (43%)



Red (42%)

Yellow (93%)

Blue (95%)

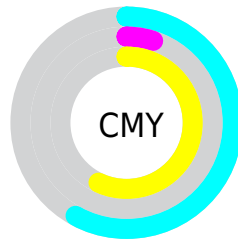


Cyan (56%)

Magenta (0%)

Yellow (54%)

Black (5%)



Cyan (58%)

Magenta (5%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2136, 67.1006, 25.5841 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 40.2136, 67.1006, 25.5841 by changing the saturation by 10% instead.



40.2136, 67.1006,  
25.5841

40.2136, 67.1006,  
25.5841

338.1420,  
450.3028, 294.2747

27.8901, 49.1664,  
16.2898

74.7709, 115.0645,  
53.5791

18.3828, 34.7515,  
9.5729

97.7355, 145.8631,  
73.1168

11.3265, 23.4715,  
5.0148

124.9777,  
181.7185, 96.9061

6.3558, 14.9420,  
2.1971

156.8630,  
223.0152, 125.3654

3.1053, 8.7787,  
0.6727

193.7567,  
270.1376, 158.9134

1.2097, 4.5971,  
0.0000

236.0243,

0.1140, 2.0129,

323.4700, 197.9686

0.0000

284.0309,  
383.3970, 242.9495

0.0000, 0.6149,  
0.0000

0.0000, 0.0000,  
0.0000

40.2136, 67.1006,  
25.5841

40.2136, 67.1006,  
25.5841

36.6324, 65.3846,  
19.6250

44.9387, 69.3714,  
33.3532

34.0937, 64.1684,  
15.3255


50.8881, 72.2298,  
43.0575


32.4869, 63.4005,  
12.5191


58.1407, 75.7159,  
54.8164


31.6738, 63.0141,  
11.0020

66.7675, 79.8640,  
68.7385

 31.4958, 62.9290,  
10.6917

 76.8344, 84.7058,  
84.9245

 88.4028, 90.2710,  
103.4692

 90.7467, 91.3933,  
107.4656

# Harmonies

## Analogous

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



52.2361, 67.1006, 13.2665



40.2136, 67.1006, 25.5841



34.8522, 67.1006, 57.3587

# Triad

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



40.2136, 67.1006, 25.5841



58.0285, 67.1006, 225.5544



103.0637, 67.1006, 43.1589

# Complementary

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



40.2136, 67.1006, 25.5841



56.7175, 35.1242, 83.9120

# 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.



105.4382, 67.1006, 91.3958



40.2136, 67.1006, 25.5841



76.9039, 67.1006, 215.3224

# Square

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



40.2136, 67.1006, 25.5841



43.7502, 67.1006, 182.2622



95.1106, 67.1006, 158.7268



89.1378, 67.1006, 19.4920



# Rectangle

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



40.2136, 67.1006, 25.5841



34.9035, 67.1006, 92.8501



95.1106, 67.1006, 158.7268



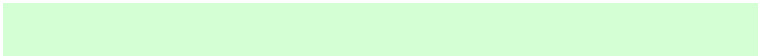
105.3309, 67.1006, 56.3048

# Sweetspot

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



40.2152, 67.1034, 25.5856



74.8126, 90.2659, 76.3879



69.5720, 82.2620, 25.8471



15.5696, 19.1074, 15.6354



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.



40.2152, 67.1034, 25.5856



41.2419, 74.1367, 21.6351



45.2126, 69.1023, 51.9012



15.5849, 17.6640, 16.8370



17.0873, 34.1270, 5.8429



1.4281, 2.8417, 0.5210



# Inverse Universe

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



56.7175, 35.1242, 83.9120



61.6669, 34.5219, 93.8010



48.8060, 31.9596, 42.2508



16.4328, 16.0228, 19.8355



27.7230, 13.3616, 43.3192

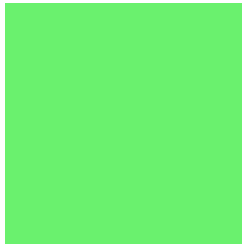


2.3126, 1.1141, 3.6372



# Previews

## White Background



This preview shows how the XYZ color 40.2136, 67.1006, 25.5841 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 40.2136, 67.1006, 25.5841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

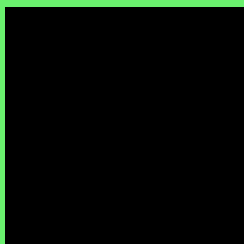
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

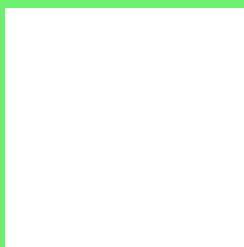
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 40.2136, 67.1006, 25.5841

## Background



This preview shows how black text looks on a background with the XYZ color 40.2136, 67.1006, 25.5841.



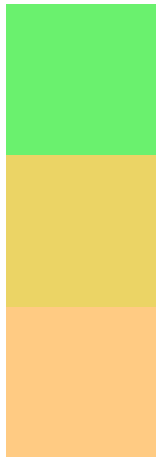
This preview shows how white text looks on a background with the XYZ color 40.2136, 67.1006,



# 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

40.2136, 67.1006, 25.5841

### Protanopia

60.1534, 65.6887, 21.8207

### Deuteranopia

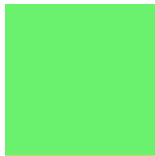
66.6927, 65.6106, 30.6218



## Tritanopia

54.2670, 66.8491, 96.4292

# Trichromacy



## Original Color

40.2136, 67.1006, 25.5841



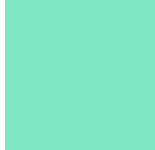
## Protanomaly

49.6254, 64.4662, 22.9244



## Deuteranomaly

52.4754, 63.4733, 28.2247



## Tritanomaly

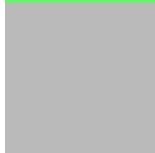
47.4246, 66.1344, 62.4902

# Monochromacy



## Original Color

40.2136, 67.1006, 25.5841



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

42.1475, 53.7793, 40.5068

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2136, 67.1006, 25.5841 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(106, 241, 110)` looks like.

```
.text, #text, p{  
    color:rgb(106, 241, 110)  
}
```

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(106, 241, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 241, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2136, 67.1006, 25.5841 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(106, 241, 110) }
```



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

```
.border{ border-color:rgb(106, 241, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 241, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 241, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 241, 110);  
box-shadow:4px 4px 4px 4px rgb(106, 241,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2136, 67.1006, 25.5841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 241, 110) }
```

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

```
.background{ background-color: rgb(106,  
241, 110) }
```

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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