

# Converting Colors

XYZ(41.7121, 66.7924, 38.2175)

Have a look what the booklet for  
XYZ(41.7121, 66.7924, 38.2175)  
contains.

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# Color

**XYZ(41.7265, 66.7232,  
38.2834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67EF93
RGB	103, 239, 147
RGB Percent	40%, 94%, 58%
CMY	0.5961, 0.0627, 0.4235
CMYK	0.57, 0.00, 0.38, 0.06
HSL	139°, 81%, 67%
HSV	139°, 57%, 94%
XYZ	41.7265, 66.7232, 38.2834
YIQ	187.8480, -51.5240, -57.4440

# Conversions

## Conversions Part 2

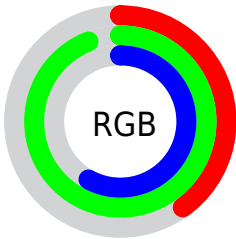
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 206, 239</a>
Decimal	<a href="#">6811539</a>
CIELab	<a href="#">85.36, -56.90, 33.60</a>
CIELCh	<a href="#">85, 66.086, 149.436</a>
Yxy	<a href="#">66.7232, 0.2844, 0.4547</a>
Android (android.graphics.Color)	<a href="#">4285001619 (0xFF67EF93)</a>
YUV	<a href="#">187.8480, -20.1381, -74.4117</a>
Hunter-Lab	<a href="#">81.6843, -51.7649, 29.3912</a>

# Details

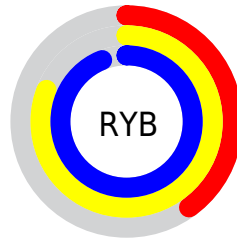
The XYZ color **41.7265, 66.7232, 38.2834** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **50.2993, 31.9927, 55.1562**, and the grayscale version is **47.8468, 50.3385, 54.8187**.

A 20% lighter version of the original color is **61.7305, 83.6768, 68.7748**, and **19.3002, 34.5433, 16.4768** is the 20% darker color. If you saturate the color by 10%, you get **38.1862, 65.0364, 31.9547**, and if you desaturate by 10%, it is **46.2318, 68.8906, 45.5911**.

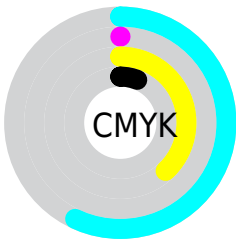
# Distribution



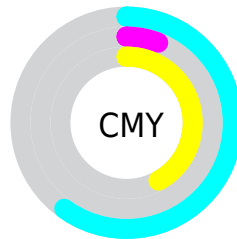
- Red (40%)
- Green (94%)
- Blue (58%)



- Red (40%)
- Yellow (81%)
- Blue (94%)



- Cyan (57%)
- Magenta (0%)
- Yellow (38%)
- Black (6%)



- Cyan (60%)
- Magenta (6%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7265, 66.7232, 38.2834 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 41.7265, 66.7232, 38.2834 by changing the saturation by 10% instead.



41.7265, 66.7232,  
38.2834

41.7265, 66.7232,  
38.2834

344.3589,  
448.9589, 354.1687

29.0774, 48.8597,  
25.8992

77.0533, 114.5237,  
73.7505

19.2839, 34.5082,  
16.5231

100.4617,  
145.2295, 97.6705

11.9808, 23.2843,  
9.7367

128.1871,  
180.9849, 126.2729

6.8027, 14.8036,  
5.1214

160.5951,  
222.1742, 159.9761

3.3843, 8.6816,  
2.2587

198.0509,  
269.1818, 199.1988

1.3601, 4.5341,  
0.7079

240.9199,

0.2275, 1.9766,

322.3922, 244.3594

0.0000

289.5674,  
382.1898, 295.8765

■ 0.0000, 0.5938,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.7265, 66.7232,  
38.2834

■ 41.7265, 66.7232,  
38.2834

■ 38.1862, 65.0364,  
31.9547

■ 46.2318, 68.8906,  
45.5911

■ 35.5297, 63.7836,  
26.5581


■ 51.7647, 71.5644,  
53.9126


■ 33.6702, 62.9229,  
22.0498


■ 58.3882, 74.7783,  
63.2868


■ 32.4960, 62.3976,  
18.3800

■ 66.1586, 78.5606,  
73.7491

 32.2188, 62.2760,  
17.4038

 75.1284, 82.9376,  
85.3331

 85.3467, 87.9340,  
98.0710

 90.1578, 90.2156,  
107.2693

# Harmonies

## Analogous

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



50.3010, 66.7232, 21.9166



41.7265, 66.7232, 38.2834



38.7754, 66.7232, 71.8418

# Triad

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



41.7265, 66.7232, 38.2834



63.1355, 66.7232, 190.1520



91.9272, 66.7232, 39.2076

# Complementary

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



41.7265, 66.7232, 38.2834



50.2993, 31.9927, 55.1562

# 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.



96.7661, 66.7232, 73.4646



41.7265, 66.7232, 38.2834



78.6384, 66.7232, 170.6597

# Square

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



41.7265, 66.7232, 38.2834



49.8817, 66.7232, 169.2299



91.5648, 66.7232, 123.1339



79.2061, 66.7232, 22.2836



# Rectangle

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



41.7265, 66.7232, 38.2834



39.9677, 66.7232, 103.6698



91.5648, 66.7232, 123.1339



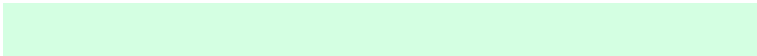
94.6107, 66.7232, 48.5320

# Sweetspot

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



41.7282, 66.7259, 38.2849



76.4935, 90.9382, 85.2391



56.0646, 74.4422, 24.2464



15.9617, 19.2642, 17.7004



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.



41.7282, 66.7259, 38.2849



43.7707, 75.1222, 36.1240



48.6082, 69.4779, 74.5143



15.7767, 17.7407, 17.8469



17.8573, 34.4350, 9.8977



1.5294, 2.8822, 1.0544



# Inverse Universe

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



50.2993, 31.9927, 55.1562



54.5244, 31.3533, 57.1502



44.3406, 29.6092, 23.7781



16.2241, 15.9393, 18.7361



23.3222, 11.6013, 20.1453

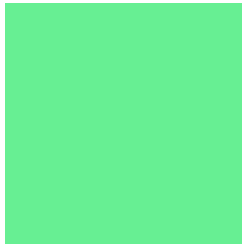


1.9855, 0.9833, 1.9146



# Previews

## White Background



This preview shows how the XYZ color 41.7265, 66.7232, 38.2834 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 41.7265, 66.7232, 38.2834 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 41.7265, 66.7232, 38.2834**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7265, 66.7232, 38.2834.



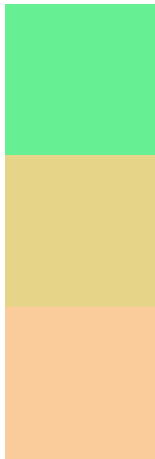
This preview shows how white text looks on a background with the XYZ color 41.7265, 66.7232,



# 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

41.7265, 66.7232, 38.2834

### Protanopia

60.6205, 65.6875, 32.7765

### Deuteranopia

66.6967, 65.4024, 40.1190



## Tritanopia

53.3096, 66.3378, 97.1835

# Trichromacy



## Original Color

41.7265, 66.7232, 38.2834



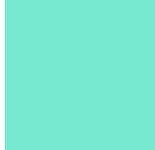
## Protanomaly

50.6221, 64.3263, 34.5591



## Deuteranomaly

53.2493, 63.2490, 39.1075



## Tritanomaly

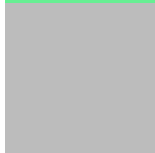
47.9545, 65.7980, 71.1456

# Monochromacy



## Original Color

41.7265, 66.7232, 38.2834



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

43.7603, 54.8109, 47.8083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7265, 66.7232, 38.2834 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(103, 239, 147)` looks like.

```
.text, #text, p{  
    color:rgb(103, 239, 147)  
}
```

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(103, 239, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 239, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7265, 66.7232, 38.2834 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(103, 239, 147) }
```



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

```
.border{ border-color:rgb(103, 239, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 239, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 239, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 239, 147); box-shadow:4px 4px 4px 4px rgb(103, 239, 147) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7265, 66.7232, 38.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 239, 147) }
```

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

```
.background{ background-color: rgb(103,  
239, 147) }
```

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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