

# Converting Colors

XYZ(37.6347, 59.7808, 26.8802)

Have a look what the booklet for  
XYZ(37.6347, 59.7808, 26.8802)  
contains.

<b>XYZ(37.6089, 59.7808, 27.0094)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(37.6089, 59.7808,  
27.0094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71E377
RGB	113, 227, 119
RGB Percent	44%, 89%, 47%
CMY	0.5569, 0.1098, 0.5333
CMYK	0.50, 0.00, 0.48, 0.11
HSL	123°, 67%, 67%
HSV	123°, 50%, 89%
XYZ	37.6089, 59.7808, 27.0094
YIQ	180.6020, -33.2760, -57.7560

# Conversions

## Conversions Part 2

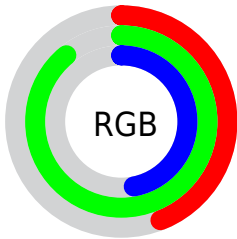
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 221, 227
Decimal	7463799
CIELab	81.72, -54.13, 42.82
CIELCh	82, 69.014, 141.656
Yxy	59.7808, 0.3023, 0.4806
Android (android.graphics.Color)	4285653879 (0xFF71E377)
YUV	180.6020, -30.3698, -59.2870
Hunter-Lab	77.3180, -48.4809, 33.4109

# Details

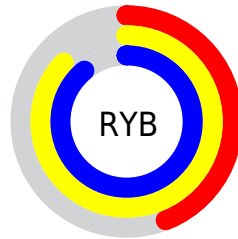
The XYZ color **37.6089, 59.7808, 27.0094** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **50.6366, 33.3626, 72.1790**, and the grayscale version is **43.8789, 46.1640, 50.2726**.

A 20% lighter version of the original color is **60.0974, 83.1951, 52.4259**, and **16.9217, 30.2213, 10.4103** is the 20% darker color. If you saturate the color by 10%, you get **33.8970, 58.0017, 20.8402**, and if you desaturate by 10%, it is **42.3464, 62.0583, 34.7544**.

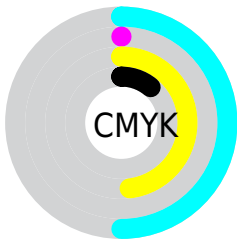
# Distribution



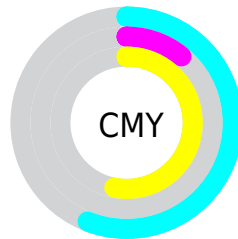
- Red (44%)
- Green (89%)
- Blue (47%)



- Red (44%)
- Yellow (87%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)



- Cyan (56%)
- Magenta (11%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6089, 59.7808, 27.0094 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 37.6089, 59.7808, 27.0094 by changing the saturation by 10% instead.



■ 37.6089, 59.7808,  
27.0094

■ 37.6089, 59.7808,  
27.0094

327.2492,  
423.7893, 301.4642

■ 25.8551, 43.2420,  
17.3478

■ 70.8161, 104.5116,  
55.9029

■ 16.8474, 30.0750,  
10.3182

■ 93.0001, 133.4724,  
75.9718

■ 10.2204, 19.8955,  
5.5021

■ 119.3917,  
167.3427, 100.3469

■ 5.6087, 12.3191,  
2.4809

150.3561,  
206.5067, 129.4468

■ 2.6470, 6.9614,  
0.8300

186.2587,  
251.3490, 163.6899

■ 0.9700, 3.4380,  
0.0000

227.4649,

■ 0.0000, 1.3644,

302.2540, 203.4948

0.0000

274.3399,  
359.6060, 249.2801

■ 0.0000, 0.1903,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 37.6089, 59.7808,  
27.0094

■ 37.6089, 59.7808,  
27.0094

■ 33.8970, 58.0017,  
20.8402

■ 42.3464, 62.0583,  
34.7544

■ 31.1306, 56.6769,  
16.1351


■ 48.1728, 64.8596,  
44.1689


■ 29.2254, 55.7671,  
12.7741


■ 55.1516, 68.2172,  
55.3438


■ 28.0798, 55.2231,  
10.6167

■ 63.3404, 72.1590,  
68.3625

 27.5363, 54.9670,  
9.5046

 72.7925, 76.7108,  
83.3030

 83.5584, 81.8972,  
100.2389

 86.7603, 83.4206,  
106.1368

# Harmonies

## Analogous

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



47.1236, 59.7808, 15.4594



37.6089, 59.7808, 27.0094



33.4234, 59.7808, 54.1592

# Triad

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



37.6089, 59.7808, 27.0094



52.8622, 59.7808, 180.6430



86.9324, 59.7808, 39.8101

# Complementary

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



37.6089, 59.7808, 27.0094



50.6366, 33.3626, 72.1790

# 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.



89.1763, 59.7808, 77.4032



37.6089, 59.7808, 27.0094



67.7625, 59.7808, 171.3306

# Square

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



37.6089, 59.7808, 27.0094



41.1941, 59.7808, 150.1399



81.6608, 59.7808, 128.3947



75.9683, 59.7808, 20.3523



# Rectangle

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



37.6089, 59.7808, 27.0094



33.6206, 59.7808, 82.6255



81.6608, 59.7808, 128.3947



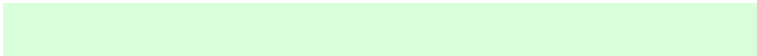
88.7983, 59.7808, 50.2315

# Sweetspot

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



37.6104, 59.7833, 27.0107



77.0561, 91.3355, 80.4231



60.3625, 71.5528, 26.2526



16.0161, 19.3199, 16.4548



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.



37.6104, 59.7833, 27.0107



44.0570, 75.4718, 27.0131



42.0875, 61.5742, 50.5870



14.2199, 16.1014, 15.4229



16.0716, 32.0607, 5.6111



1.1985, 2.3735, 0.4721



# Inverse Universe

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



50.6366, 33.3626, 72.1790



62.7714, 37.4747, 91.8760



44.3133, 30.8333, 38.8812



14.9606, 14.6014, 17.9930



25.6461, 12.3926, 38.6268

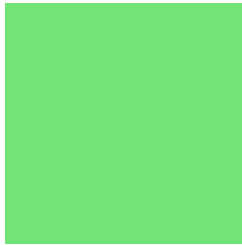


1.9053, 0.9198, 2.9076



# Previews

## White Background



This preview shows how the XYZ color 37.6089, 59.7808, 27.0094 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 37.6089, 59.7808, 27.0094 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

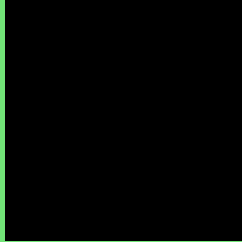
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 37.6089, 59.7808, 27.0094

## Background



This preview shows how black text looks on a background with the XYZ color 37.6089, 59.7808, 27.0094.



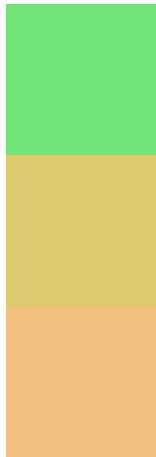
This preview shows how white text looks on a background with the XYZ color 37.6089, 59.7808,



# 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

37.6089, 59.7808, 27.0094

### Protanopia

54.0592, 58.8964, 23.2708

### Deuteranopia

59.8629, 58.7269, 28.2590



## Tritanopia

49.0933, 59.3226, 85.2068

# Trichromacy



## Original Color

37.6089, 59.7808, 27.0094



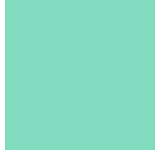
## Protanomaly

45.5663, 57.7259, 24.3634



## Deuteranomaly

48.2344, 56.8536, 27.5004



## Tritanomaly

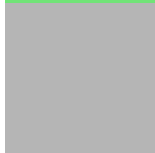
43.7887, 59.0918, 58.3882

# Monochromacy



## Original Color

37.6089, 59.7808, 27.0094



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

40.0759, 49.9247, 39.8720

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6089, 59.7808, 27.0094 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(113, 227, 119)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 119)  
}
```

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(113, 227, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6089, 59.7808, 27.0094 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(113, 227, 119) }
```



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

```
.border{ border-color:rgb(113, 227, 119) }
```

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

Here you see how a box with a 4 pixel rgb(113, 227, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 227, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 227, 119);  
box-shadow:4px 4px 4px 4px rgb(113, 227,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6089, 59.7808, 27.0094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 119) }
```

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

```
.background{ background-color: rgb(113,  
227, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor