

# Converting Colors

XYZ(37.3782, 59.7021, 25.4368)

Have a look what the booklet for  
XYZ(37.3782, 59.7021, 25.4368)  
contains.

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# Color

**XYZ(37.4458, 59.7305,  
25.4751)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72E372
RGB	114, 227, 114
RGB Percent	45%, 89%, 45%
CMY	0.5529, 0.1098, 0.5529
CMYK	0.50, 0.00, 0.50, 0.11
HSL	120°, 67%, 67%
HSV	120°, 50%, 89%
XYZ	37.4458, 59.7305, 25.4751
YIQ	180.3310, -31.0750, -59.0990

# Conversions

## Conversions Part 2

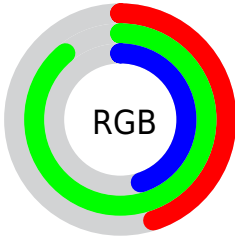
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 227, 227
Decimal	7529330
CIELab	81.69, -54.54, 45.19
CIELCh	82, 70.833, 140.354
Yxy	59.7305, 0.3053, 0.4870
Android (android.graphics.Color)	4285719410 (0xFF72E372)
YUV	180.3310, -32.7012, -58.1723
Hunter-Lab	77.2855, -48.7642, 34.5565

# Details

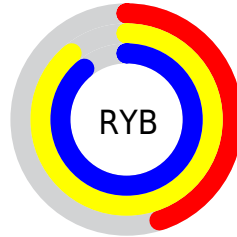
The XYZ color **37.4458, 59.7305, 25.4751** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **51.5628, 33.9126, 76.5029**, and the grayscale version is **43.7440, 46.0221, 50.1181**.

A 20% lighter version of the original color is **59.8411, 83.1178, 49.9352**, and **16.7977, 30.1774, 9.4969** is the 20% darker color. If you saturate the color by 10%, you get **33.7158, 57.9406, 19.3728**, and if you desaturate by 10%, it is **42.2320, 62.0314, 33.3028**.

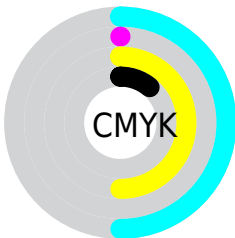
# Distribution



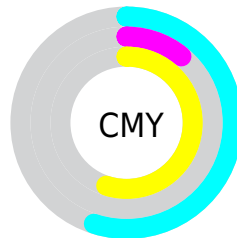
- Red (45%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (89%)



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



- Cyan (55%)
- Magenta (11%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4458, 59.7305, 25.4751 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 37.4458, 59.7305, 25.4751 by changing the saturation by 10% instead.



■ 37.4458, 59.7305,  
25.4751

■ 37.4458, 59.7305,  
25.4751

326.5587,  
423.6037, 293.7188

■ 25.7281, 43.2014,  
16.2091

■ 70.5673, 104.4386,  
53.4006

■ 16.7520, 30.0432,  
9.5163

■ 92.7018, 133.3865,  
72.8972

■ 10.1520, 19.8714,  
4.9781

■ 119.0393,  
167.2427, 96.6411

■ 5.5629, 12.3016,  
2.1759

149.9451,  
206.3918, 125.0508

■ 2.6193, 6.9494,  
0.6604

185.7845,  
251.2180, 158.5449

■ 0.9558, 3.4305,  
0.0000

226.9231,

■ 0.0000, 1.3604,

302.1058, 197.5419

0.0000

273.7260,  
359.4396, 242.4604

■ 0.0000, 0.1873,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 37.4458, 59.7305,  
25.4751

■ 37.4458, 59.7305,  
25.4751

■ 33.7158, 57.9406,  
19.3728

■ 42.2320, 62.0314,  
33.3028

■ 30.9581, 56.6159,  
14.8621


■ 48.1412, 64.8699,  
42.9684


■ 29.0837, 55.7156,  
11.7961


■ 55.2400, 68.2798,  
54.5797


■ 27.9849, 55.1878,  
9.9987


■ 63.5884, 72.2899,  
68.2350

 27.4793, 54.9449,  
9.1716

 73.2425, 76.9273,  
84.0258

 27.4703, 54.9406,  
9.1569

 84.2548, 82.2171,  
102.0384

 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.



47.3789, 59.7305, 14.4534



37.4458, 59.7305, 25.4751



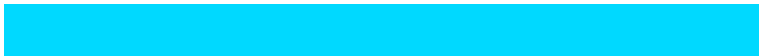
32.9525, 59.7305, 52.2336

# Triad

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



37.4458, 59.7305, 25.4751



52.1054, 59.7305, 184.0981



88.0920, 59.7305, 40.4687

# Complementary

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



37.4458, 59.7305, 25.4751



51.5628, 33.9126, 76.5029

# 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.



89.9596, 59.7305, 79.7768



37.4458, 59.7305, 25.4751



67.3312, 59.7305, 176.2814

# Square

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



37.4458, 59.7305, 25.4751



40.3840, 59.7305, 150.8816



81.8130, 59.7305, 132.6921



77.0840, 59.7305, 20.1074



# Rectangle

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



37.4458, 59.7305, 25.4751



32.9952, 59.7305, 80.9255



81.8130, 59.7305, 132.6921



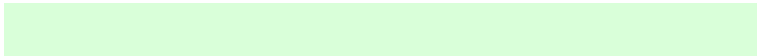
89.8762, 59.7305, 51.3763

# Sweetspot

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



37.4473, 59.7330, 25.4764



76.7930, 91.2302, 79.0375



62.1875, 72.4871, 26.6337



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.



37.4473, 59.7330, 25.4764



43.6379, 75.3041, 24.8063



41.7132, 61.4394, 47.9405



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946



# Inverse Universe

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



51.5628, 33.9126, 76.5029



64.0409, 37.9826, 98.5615



45.0007, 31.2878, 41.9474



14.9952, 14.6153, 18.1750



26.5609, 12.7586, 43.4442

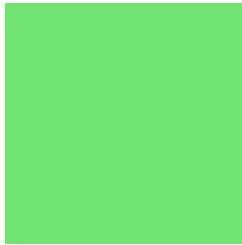


1.9628, 0.9428, 3.2104



# Previews

## White Background



This preview shows how the XYZ color 37.4458, 59.7305, 25.4751 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 37.4458, 59.7305, 25.4751 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

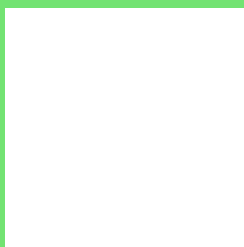
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.4458, 59.7305, 25.4751**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4458, 59.7305, 25.4751.



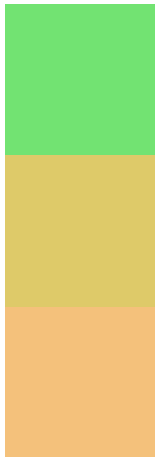
This preview shows how white text looks on a background with the XYZ color 37.4458, 59.7305,

25.4751.

# 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

37.4458, 59.7305, 25.4751

### Protanopia

53.7945, 58.7906, 21.8770

### Deuteranopia

59.9533, 58.8031, 26.9291



## Tritanopia

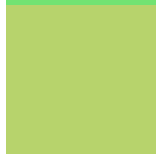
49.1178, 59.3516, 84.4685

# Trichromacy



## Original Color

37.4458, 59.7305, 25.4751



## Protanomaly

45.5295, 57.7385, 22.9323



## Deuteranomaly

48.2474, 56.8890, 26.2071



## Tritanomaly

43.6145, 59.0397, 56.6740

# Monochromacy



## Original Color

37.4458, 59.7305, 25.4751



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

39.6773, 49.4007, 38.8966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4458, 59.7305, 25.4751 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(114, 227, 114)` looks like.

```
.text, #text, p{  
    color:rgb(114, 227, 114)  
}
```

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(114, 227, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 227, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4458, 59.7305, 25.4751 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(114, 227, 114) }
```



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

```
.border{ border-color:rgb(114, 227, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 227, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 227, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 227, 114);  
box-shadow:4px 4px 4px 4px rgb(114, 227,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4458, 59.7305, 25.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 227, 114) }
```

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

```
.background{ background-color: rgb(114,  
227, 114) }
```

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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