

Converting Colors

XYZ(37.6952, 59.8606, 25.4885)

Have a look what the booklet for
XYZ(37.6952, 59.8606, 25.4885)
contains.

| | |
|--|----|
| XYZ(37.7088, 59.8661, 25.4874) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(37.7088, 59.8661,
25.4874)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 74E372 |
| RGB | 116, 227, 114 |
| RGB Percent | 45%, 89%, 45% |
| CMY | 0.5451, 0.1098, 0.5529 |
| CMYK | 0.49, 0.00, 0.50, 0.11 |
| HSL | 119°, 67%, 67% |
| HSV | 119°, 50%, 89% |
| XYZ | 37.7088, 59.8661, 25.4874 |
| YIQ | 180.9290, -29.8830, -58.6750 |

Conversions

Conversions Part 2

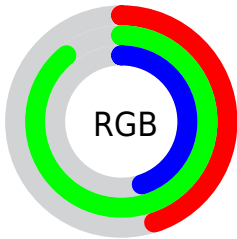
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 114, 227, 225 |
| Decimal | 7660402 |
| CIELab | 81.77, -54.00, 45.30 |
| CIELCh | 82, 70.488, 140.008 |
| Yxy | 59.8661, 0.3064, 0.4865 |
| Android (android.graphics.Color) | 4285850482 (0xFF74E372) |
| YUV | 180.9290, -32.9960, -56.9427 |
| Hunter-Lab | 77.3732, -48.4088, 34.6306 |

Details

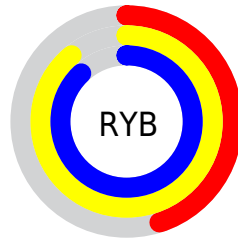
The XYZ color **37.7088, 59.8661, 25.4874** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **50.9368, 33.5902, 76.4751**, and the grayscale version is **44.0682, 46.3632, 50.4895**.

A 20% lighter version of the original color is **60.2834, 83.3458, 49.9559**, and **16.9537, 30.2579, 9.5042** is the 20% darker color. If you saturate the color by 10%, you get **33.9572, 58.0651, 19.3840**, and if you desaturate by 10%, it is **42.4953, 62.1671, 33.3152**.

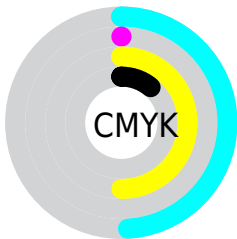
Distribution



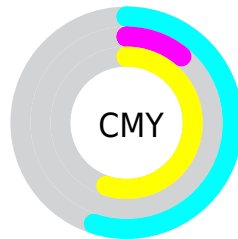
- Red (45%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (88%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7088, 59.8661, 25.4874 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 37.7088, 59.8661, 25.4874 by changing the saturation by 10% instead.

■ 37.7088, 59.8661,
25.4874

■ 37.7088, 59.8661,
25.4874

327.6716,
424.1040, 293.7816

■ 25.9329, 43.3107,
16.2182

■ 70.9684, 104.6354,
53.4207

■ 16.9059, 30.1290,
9.5227

■ 93.1828, 133.6181,
72.9220

■ 10.2623, 19.9365,
4.9822

■ 119.6074,
167.5121, 96.6710

■ 5.6368, 12.3489,
2.1783

150.6077,
206.7016, 125.0863

■ 2.6641, 6.9818,
0.6618

186.5489,
251.5712, 158.5865

■ 0.9787, 3.4507,
0.0000

227.7964,

■ 0.0000, 1.3713,

302.5052, 197.5901

0.0000

274.7155,
359.8880, 242.5156

■ 0.0000, 0.1954,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7088, 59.8661,
25.4874

■ 37.7088, 59.8661,
25.4874

■ 33.9572, 58.0651,
19.3840

■ 42.4953, 62.1671,
33.3152

■ 31.1603, 56.7202,
14.8715


■ 48.3807, 64.9933,
42.9800


■ 29.2331, 55.7926,
11.8029


■ 55.4288, 68.3771,
54.5892


■ 28.0738, 55.2336,
10.0027

■ 63.6975, 72.3461,
68.2411

 27.5294, 54.9708,
9.1739

 73.2406, 76.9263,
84.0272

 27.5205, 54.9665,
9.1591

 84.1090, 82.1419,
102.0336

 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.



47.6799, 59.8661, 14.5826



37.7088, 59.8661, 25.4874



33.1584, 59.8661, 51.9992

Triad

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



37.7088, 59.8661, 25.4874



52.0888, 59.8661, 183.4393



88.1693, 59.8661, 41.0172

Complementary

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



37.7088, 59.8661, 25.4874



50.9368, 33.5902, 76.4751

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.



89.9082, 59.8661, 80.4281



37.7088, 59.8661, 25.4874



67.2402, 59.8661, 176.1725

Square

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



37.7088, 59.8661, 25.4874



40.4520, 59.8661, 150.0501



81.6999, 59.8661, 133.1303



77.2955, 59.8661, 20.4617

Rectangle

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



37.7088, 59.8661, 25.4874



33.1594, 59.8661, 80.4525



81.6999, 59.8661, 133.1303



89.9064, 59.8661, 51.9809

Sweetspot

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



37.7103, 59.8686, 25.4887



76.9940, 91.3339, 79.0465



61.1686, 70.4491, 26.2946



16.0013, 19.3195, 16.1293



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.



37.7103, 59.8686, 25.4887



43.9494, 75.4647, 24.8202



41.3609, 61.2985, 46.0837



14.2128, 16.1012, 15.2632



16.0596, 32.0605, 5.3419



1.1951, 2.3735, 0.3951

Inverse Universe

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



50.9368, 33.5902, 76.4751



63.0533, 37.4734, 98.5175



45.3640, 31.4335, 43.8591



14.9686, 14.6016, 18.1738



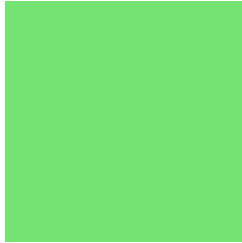
25.8428, 12.3883, 43.4123



1.9178, 0.9196, 3.2084

Previews

White Background



This preview shows how the XYZ color 37.7088, 59.8661, 25.4874 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 37.7088, 59.8661, 25.4874 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 37.7088, 59.8661, 25.4874

Background



This preview shows how black text looks on a background with the XYZ color 37.7088, 59.8661, 25.4874.



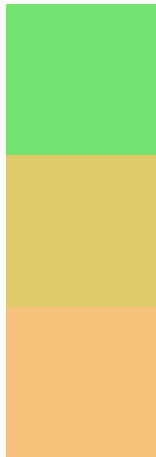
This preview shows how white text looks on a background with the XYZ color 37.7088, 59.8661,

25.4874.

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

37.7088, 59.8661, 25.4874

Protanopia

54.1018, 58.9490, 21.8914

Deuteranopia

60.3013, 58.9825, 26.9454



Tritanopia

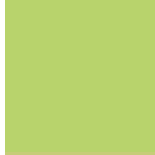
49.4549, 59.5254, 84.4843

Trichromacy



Original Color

37.7088, 59.8661, 25.4874



Protanomaly

45.7682, 57.8616, 22.9435



Deuteranomaly

48.5102, 57.0245, 26.2194



Tritanomaly

43.9243, 59.1994, 56.6885

Monochromacy



Original Color

37.7088, 59.8661, 25.4874



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.1845, 49.9906, 39.4295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7088, 59.8661, 25.4874 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, 227, 114)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 227, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 227, 114) }
```

Border

The CSS property to change the border of an element to XYZ 37.7088, 59.8661, 25.4874 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, 227, 114) }
```


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

```
.border{ border-color:rgb(116, 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(116, 227, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 227, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 227, 114); box-shadow:4px 4px 4px 4px rgb(116, 227, 114) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7088, 59.8661, 25.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 227, 114) }
```

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

```
.background{ background-color: rgb(116,  
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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