

Converting Colors

XYZ(37.8494, 67.7380, 15.5414)

Have a look what the booklet for
XYZ(37.8494, 67.7380, 15.5414)
contains.

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Color

**XYZ(37.9083, 67.9170,
15.5262)**

Conversions

Conversions Part 1

Format	Color
Hex	5CF53D
RGB	92, 245, 61
RGB Percent	36%, 96%, 24%
CMY	0.6392, 0.0392, 0.7608
CMYK	0.62, 0.00, 0.75, 0.04
HSL	110°, 90%, 60%
HSV	110°, 75%, 96%
XYZ	37.9083, 67.9170, 15.5262
YIQ	178.2770, -32.1240, -89.6600

Conversions

Conversions Part 2

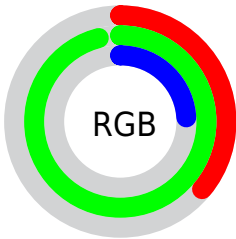
Format	Color
RYB	61, 245, 214
Decimal	6092093
CIELab	85.96, -71.46, 71.31
CIELCh	86, 100.955, 135.058
Yxy	67.9170, 0.3124, 0.5597
Android (android.graphics.Color)	4284282173 (0xFF5CF53D)
YUV	178.2770, -57.8176, -75.6649
Hunter-Lab	82.4118, -62.1130, 46.5181

Details

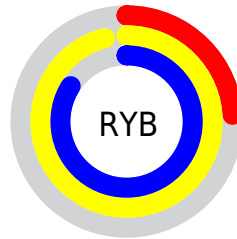
The XYZ color **37.9083, 67.9170, 15.5262** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **45.8864, 24.2291, 88.6480**, and the grayscale version is **42.7745, 45.0021, 49.0073**.

A 20% lighter version of the original color is **53.2507, 80.1452, 30.4323**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **35.6247, 66.8014, 12.7263**, and if you desaturate by 10%, it is **41.0434, 69.4408, 19.9407**.

Distribution



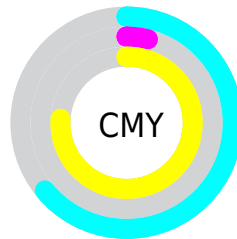
- Red (36%)
- Green (96%)
- Blue (24%)



- Red (24%)
- Yellow (96%)
- Blue (84%)



- Cyan (62%)
- Magenta (0%)
- Yellow (75%)
- Black (4%)



- Cyan (64%)
- Magenta (4%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9083, 67.9170, 15.5262 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 37.9083, 67.9170, 15.5262 by changing the saturation by 10% instead.

37.9083, 67.9170,
15.5262

37.9083, 67.9170,
15.5262

328.5141,
453.2019, 238.2789

26.0884, 49.8302,
9.0388

71.2724, 116.2334,
36.5290

17.0228, 35.2785,
4.6693

93.5473, 147.2318,
51.8814

10.3462, 23.8775,
1.9993

120.0379,
183.3029, 71.0259

5.6931, 15.2428,
0.5548

151.1096,
224.8310, 94.3811

2.6983, 8.9899,
0.0000

187.1277,
272.2005, 122.3654

0.9963, 4.7346,
0.0000

228.4576,

0.0000, 2.0924,

325.7960, 155.3975

0.0000

275.4646,
386.0016, 193.8958

0.0000, 0.6604,
0.0000

0.0000, 0.0000,
0.0000

37.9083, 67.9170,
15.5262

37.9083, 67.9170,
15.5262

35.6247, 66.8014,
12.7263

41.0434, 69.4408,
19.9407


34.0982, 66.0445,
11.2987


45.1017, 71.3995,
26.1586


33.5790, 65.7845,
10.9279


50.1521, 73.8271,
34.3475

56.2557, 76.7518,
44.6547

 63.4684, 80.1996,
57.2133

 71.8423, 84.1946,
72.1457

 81.4259, 88.7595,
89.5654

 91.9396, 93.7854,
107.8644

 91.9438, 93.7876,
107.8646

Harmonies

Analogous

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



53.6723, 67.9170, 6.5369



37.9083, 67.9170, 15.5262



30.4063, 67.9170, 45.7249

Triad

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



37.9083, 67.9170, 15.5262



53.7491, 67.9170, 277.9678



117.7426, 67.9170, 45.5448

Complementary

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



37.9083, 67.9170, 15.5262



45.8864, 24.2291, 88.6480

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.



117.7773, 67.9170, 111.9030



37.9083, 67.9170, 15.5262



76.8131, 67.9170, 277.8068

Square

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



37.9083, 67.9170, 15.5262



37.9529, 67.9170, 205.7454



101.4366, 67.9170, 205.3857



101.3507, 67.9170, 15.4620

Rectangle

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



37.9083, 67.9170, 15.5262



29.6077, 67.9170, 85.7600



101.4366, 67.9170, 205.3857



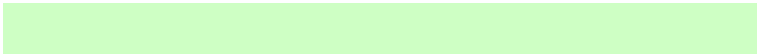
119.7758, 67.9170, 63.2774

Sweetspot

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



37.9099, 67.9199, 15.5277



71.2809, 88.6761, 65.7930



61.8621, 66.4740, 13.9862



14.5940, 18.6637, 12.9127



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.



37.9099, 67.9199, 15.5277



38.0655, 72.6876, 12.9721



37.9249, 67.6384, 28.5956



16.5423, 18.6061, 17.5170



18.1664, 35.4779, 5.8905



1.6697, 3.1558, 0.5211

Inverse Universe

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



45.8864, 24.2291, 88.6480



46.8288, 22.5881, 96.4995



48.2686, 26.3282, 49.4050



16.9236, 16.6188, 20.8583



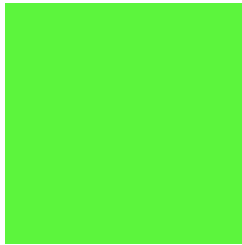
22.3571, 10.4998, 47.3863



2.0360, 0.9594, 4.1681

Previews

White Background



This preview shows how the XYZ color 37.9083, 67.9170, 15.5262 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 37.9083, 67.9170, 15.5262 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 37.9083, 67.9170, 15.5262

Background



This preview shows how black text looks on a background with the XYZ color 37.9083, 67.9170, 15.5262.



This preview shows how white text looks on a background with the XYZ color 37.9083, 67.9170,

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

37.9083, 67.9170, 15.5262

Protanopia

60.2858, 66.7009, 13.0653

Deuteranopia

66.7730, 66.4033, 28.6998



Tritanopia

54.0476, 67.1077, 98.1002

Trichromacy



Original Color

37.9083, 67.9170, 15.5262



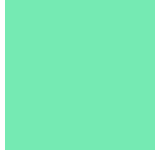
Protanomaly

47.8887, 64.5751, 13.6816



Deuteranomaly

50.7564, 63.8815, 22.2256



Tritanomaly

44.8956, 65.8822, 52.9981

Monochromacy



Original Color

37.9083, 67.9170, 15.5262



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.5263, 50.1934, 30.6321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9083, 67.9170, 15.5262 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(92, 245, 61)` looks like.

```
.text, #text, p{  
    color:rgb(92, 245, 61)  
}
```

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(92, 245, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 245, 61) }
```

Border

The CSS property to change the border of an element to XYZ 37.9083, 67.9170, 15.5262 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(92, 245, 61) }
```


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

```
.border{ border-color:rgb(92, 245, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 245, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 245, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 245, 61);  
box-shadow:4px 4px 4px 4px rgb(92, 245,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9083, 67.9170, 15.5262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 245, 61) }
```

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

```
.background{ background-color: rgb(92, 245,  
61) }
```

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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