

Converting Colors

XYZ(37.2648, 68.7268, 12.2084)

Have a look what the booklet for
XYZ(37.2648, 68.7268, 12.2084)
contains.

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Color

**XYZ(37.1825, 68.5230,
12.1862)**

Conversions

Conversions Part 1

Format	Color
Hex	55F719
RGB	85, 247, 25
RGB Percent	33%, 97%, 10%
CMY	0.6667, 0.0314, 0.9019
CMYK	0.66, 0.00, 0.90, 0.03
HSL	104°, 93%, 53%
HSV	104°, 90%, 97%
XYZ	37.1825, 68.5230, 12.1862
YIQ	173.2540, -25.2900, -103.3860

Conversions

Conversions Part 2

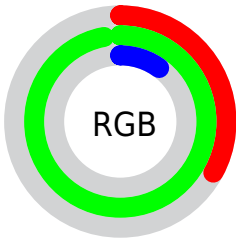
Format	Color
RYB	25, 247, 187
Decimal	5633817
CIELab	86.27, -75.13, 79.94
CIElCh	86, 109.701, 133.222
Yxy	68.5230, 0.3154, 0.5812
Android (android.graphics.Color)	4283823897 (0xFF55F719)
YUV	173.2540, -73.0892, -77.3988
Hunter-Lab	82.7786, -64.6840, 49.2167

Details

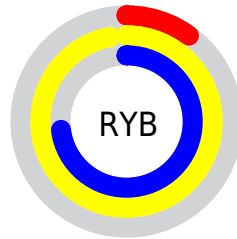
The XYZ color **37.1825, 68.5230, 12.1862** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **37.6364, 17.9794, 89.4862**, and the grayscale version is **40.2236, 42.3184, 46.0847**.

A 20% lighter version of the original color is **51.2910, 79.2719, 24.1530**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **35.5768, 67.7174, 11.2048**, and if you desaturate by 10%, it is **39.4283, 69.6373, 14.3491**.

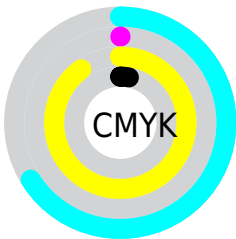
Distribution



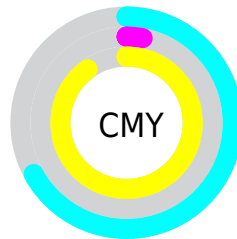
- Red (33%)
- Green (97%)
- Blue (10%)



- Red (10%)
- Yellow (97%)
- Blue (73%)



- Cyan (66%)
- Magenta (0%)
- Yellow (90%)
- Black (3%)





- Cyan (67%)
- Magenta (3%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1825, 68.5230, 12.1862 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 37.1825, 68.5230, 12.1862 by changing the saturation by 10% instead.


 37.1825, 68.5230,
12.1862


 37.1825, 68.5230,
12.1862


325.4418,
455.3468, 216.6556


 25.5231, 50.3233,
6.7465


 70.1654, 117.1000,
30.5032

 16.5980, 35.6704,
3.2281

 92.2196, 148.2462,
44.2177


 10.0418, 24.1797,
1.2122


 118.4696,
184.4766, 61.5275

 5.4892, 15.4670,
0.0000

 149.2805,
226.1757, 82.8512

 2.5747, 9.1478,
0.0000

 185.0179,
273.7279, 108.6073

 0.9331, 4.8377,
0.0000

 226.0470,

 0.0000, 2.1524,

327.5175, 139.2144

0.0000

272.7332,
387.9290, 175.0910

0.0000, 0.6938,
0.0000

0.0000, 0.0000,
0.0000

37.1825, 68.5230,
12.1862

37.1825, 68.5230,
12.1862

35.5768, 67.7174,
11.2048


39.4283, 69.6373,
14.3491


35.5592, 67.7085,
11.1949


42.4048, 71.0931,
18.0402


46.1806, 72.9232,
23.4759


50.8139, 75.1537,
30.8370

 56.3573, 77.8081,
40.2814

 62.8588, 80.9082,
51.9510

 70.3627, 84.4739,
65.9749

 78.9106, 88.5242,
82.4726

 88.5416, 93.0768,
101.5554

Harmonies

Analogous

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



54.6287, 68.5230, 4.5750



37.1825, 68.5230, 12.1862



28.7859, 68.5230, 41.1979

Triad

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



37.1825, 68.5230, 12.1862



52.0767, 68.5230, 303.1289



124.8589, 68.5230, 47.0766

Complementary

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



37.1825, 68.5230, 12.1862



37.6364, 17.9794, 89.4862

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.



123.6573, 68.5230, 122.4616



37.1825, 68.5230, 12.1862



76.8954, 68.5230, 308.8608

Square

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



37.1825, 68.5230, 12.1862



35.7331, 68.5230, 216.3798



104.4258, 68.5230, 229.0489



107.3767, 68.5230, 14.1052

Rectangle

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



37.1825, 68.5230, 12.1862



27.6448, 68.5230, 82.7126



104.4258, 68.5230, 229.0489



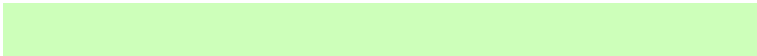
126.7387, 68.5230, 67.0544

Sweetspot

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



37.1841, 68.5259, 12.1877



69.7478, 88.0157, 59.8507



55.6981, 54.1713, 8.4412



14.3695, 18.5728, 11.7803



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.



37.1841, 68.5259, 12.1877



38.2073, 72.7816, 12.0345



34.8699, 67.2138, 17.4591



16.7023, 18.6886, 17.5245



18.9207, 35.8668, 5.9258



1.7571, 3.2009, 0.5252

Inverse Universe

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



37.6364, 17.9794, 89.4862



38.3236, 17.6714, 95.9988



49.0055, 24.5902, 56.1400



16.7514, 16.5300, 20.8503



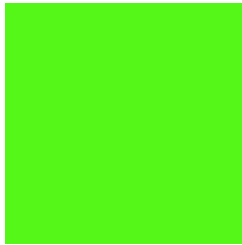
19.0082, 8.7734, 47.2296



1.7684, 0.8215, 4.1556

Previews

White Background



This preview shows how the XYZ color 37.1825, 68.5230, 12.1862 looks on a white background.

Color Contrast Check

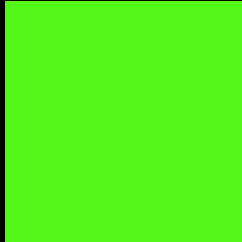
Large Text (above 18pt) WCAG AA × Fail

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 37.1825, 68.5230, 12.1862 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 37.1825, 68.5230, 12.1862

Background



This preview shows how black text looks on a background with the XYZ color 37.1825, 68.5230, 12.1862.



This preview shows how white text looks on a background with the XYZ color 37.1825, 68.5230,

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

37.1825, 68.5230, 12.1862

Protanopia

60.3605, 66.8092, 9.9151

Deuteranopia

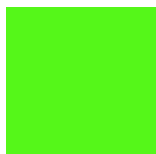
67.0772, 66.9090, 29.1180



Tritanopia

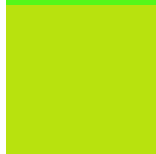
54.4460, 68.1168, 99.0852

Trichromacy



Original Color

37.1825, 68.5230, 12.1862



Protanomaly

47.0428, 64.6148, 10.4079



Deuteranomaly

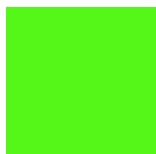
49.6519, 63.7716, 19.1434



Tritanomaly

43.9099, 66.3583, 47.0534

Monochromacy



Original Color

37.1825, 68.5230, 12.1862



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

34.9686, 48.3032, 24.9332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1825, 68.5230, 12.1862 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(85, 247, 25)` looks like.

```
.text, #text, p{  
    color:rgb(85, 247, 25)  
}
```

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(85, 247, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 247, 25) }
```

Border

The CSS property to change the border of an element to XYZ 37.1825, 68.5230, 12.1862 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(85, 247, 25) }
```


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

```
.border{ border-color:rgb(85, 247, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 247, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 247, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 247, 25);  
box-shadow:4px 4px 4px 4px rgb(85, 247,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1825, 68.5230, 12.1862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 247, 25) }
```

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

```
.background{ background-color: rgb(85, 247,  
25) }
```

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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