

Converting Colors

XYZ(38.2323, 67.6515, 17.6577)

Have a look what the booklet for
XYZ(38.2323, 67.6515, 17.6577)
contains.

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Color

**XYZ(38.2368, 67.5891,
17.6873)**

Conversions

Conversions Part 1

Format	Color
Hex	5EF44B
RGB	94, 244, 75
RGB Percent	37%, 96%, 29%
CMY	0.6314, 0.0431, 0.7059
CMYK	0.61, 0.00, 0.69, 0.04
HSL	113°, 88%, 63%
HSV	113°, 69%, 96%
XYZ	38.2368, 67.5891, 17.6873
YIQ	179.8840, -35.1510, -84.3590

Conversions

Conversions Part 2

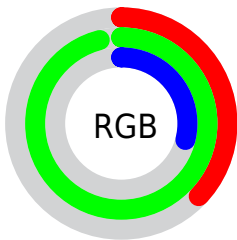
Format	Color
RYB	75, 244, 225
Decimal	6222923
CIELab	85.80, -69.69, 66.39
CIELCh	86, 96.252, 136.388
Yxy	67.5891, 0.3096, 0.5472
Android (android.graphics.Color)	4284413003 (0xFF5EF44B)
YUV	179.8840, -51.7078, -75.3203
Hunter-Lab	82.2126, -60.8523, 44.7931

Details

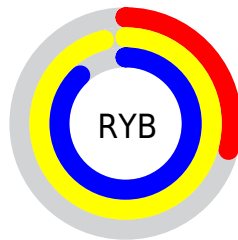
The XYZ color **38.2368, 67.5891, 17.6873** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed green. A complement of this color would be **49.9008, 27.5740, 88.2839**, and the grayscale version is **43.6041, 45.8749, 49.9577**.

A 20% lighter version of the original color is **54.2229, 80.5569, 34.5210**, and **17.5589, 35.1178, 5.8530** is the 20% darker color. If you saturate the color by 10%, you get **35.6390, 66.3306, 14.0112**, and if you desaturate by 10%, it is **41.7808, 69.3024, 23.0811**.

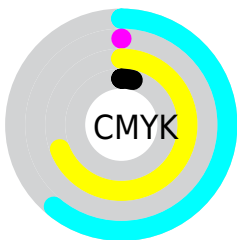
Distribution



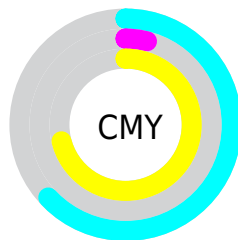
- Red (37%)
- Green (96%)
- Blue (29%)



- Red (29%)
- Yellow (96%)
- Blue (88%)



- Cyan (61%)
- Magenta (0%)
- Yellow (69%)
- Black (4%)





- Cyan (63%)
- Magenta (4%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2368, 67.5891, 17.6873 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 38.2368, 67.5891, 17.6873 by changing the saturation by 10% instead.


 38.2368, 67.5891,
17.6873


 38.2368, 67.5891,
17.6873


329.8980,
452.0388, 251.2792

 26.3446, 49.5635,
10.5586


 71.7725, 115.7641,
40.3105


 17.2156, 35.0667,
5.6605


 94.1467, 146.6824,
56.6421

 10.4846, 23.7143,
2.5743


 120.7456,
182.6669, 76.8783

 5.7861, 15.1218,
0.8791

 151.9345,
224.1023, 101.4378

 2.7549, 8.9049,
0.0000

 188.0789,
271.3727, 130.7392

 1.0255, 4.6792,
0.0000

229.5440,

 0.0000, 2.0603,

324.8627, 165.2008

0.0000

276.6953,
384.9566, 205.2413

0.0000, 0.6422,
0.0000

0.0000, 0.0000,
0.0000

38.2368, 67.5891,
17.6873

38.2368, 67.5891,
17.6873

35.6390, 66.3306,
14.0112

41.7808, 69.3024,
23.0811

33.8902, 65.4753,
11.8411


46.3464, 71.4996,
30.3628


32.8694, 64.9697,
10.8598


52.0068, 74.2171,
39.6873


32.8154, 64.9430,
10.8057

58.8269, 77.4855,
51.1920

 66.8668, 81.3328,
65.0027

 76.1821, 85.7854,
81.2353

 86.8253, 90.8679,
99.9982

 91.6421, 93.1842,
107.7640

Harmonies

Analogous

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



53.0367, 67.5891, 7.8320



38.2368, 67.5891, 17.6873



31.2908, 67.5891, 48.6188

Triad

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



38.2368, 67.5891, 17.6873



54.7971, 67.5891, 265.1255



113.9328, 67.5891, 44.4457

Complementary

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



38.2368, 67.5891, 17.6873



49.9008, 27.5740, 88.2839

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.



114.7113, 67.5891, 105.9219



38.2368, 67.5891, 17.6873



76.9226, 67.5891, 261.5732

Square

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



38.2368, 67.5891, 17.6873



39.2709, 67.5891, 200.6657



99.9685, 67.5891, 192.6775



98.0360, 67.5891, 16.1317

Rectangle

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



38.2368, 67.5891, 17.6873



30.7218, 67.5891, 87.9030



99.9685, 67.5891, 192.6775



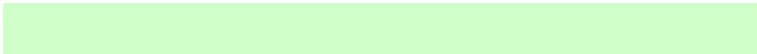
116.0780, 67.5891, 60.9270

Sweetspot

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



38.2384, 67.5919, 17.6888



72.2189, 89.0913, 68.9263



65.3132, 73.2083, 17.3459



14.9165, 18.8102, 13.8206



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.



38.2384, 67.5919, 17.6888



38.5267, 72.8952, 14.3589



39.9722, 68.0875, 35.7647



16.4551, 18.5611, 17.5129



17.8981, 35.3396, 5.8779



1.6285, 3.1346, 0.5192

Inverse Universe

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



49.9008, 27.5740, 88.2839



51.9500, 25.9975, 96.8877



47.9854, 27.5305, 45.5503



17.0195, 16.6682, 20.8628



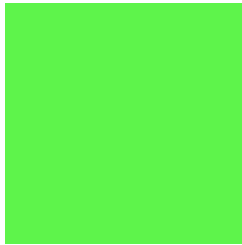
24.4433, 11.5753, 47.4840



2.1995, 1.0438, 4.1758

Previews

White Background



This preview shows how the XYZ color 38.2368, 67.5891, 17.6873 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 38.2368, 67.5891, 17.6873 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 38.2368, 67.5891, 17.6873

Background



This preview shows how black text looks on a background with the XYZ color 38.2368, 67.5891, 17.6873.

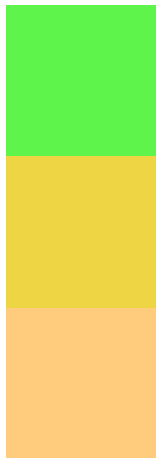


This preview shows how white text looks on a background with the XYZ color 38.2368, 67.5891,

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

38.2368, 67.5891, 17.6873

Protanopia

60.0673, 66.1709, 14.9166

Deuteranopia

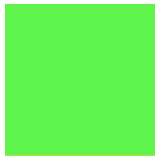
66.5988, 65.9521, 28.9586



Tritanopia

54.0508, 67.1272, 97.2968

Trichromacy



Original Color

38.2368, 67.5891, 17.6873



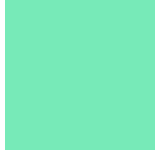
Protanomaly

48.0108, 64.1926, 15.6543



Deuteranomaly

50.7503, 63.4603, 23.4842



Tritanomaly

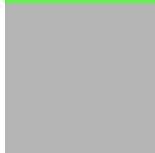
45.6823, 66.2283, 55.7230

Monochromacy



Original Color

38.2368, 67.5891, 17.6873



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.6328, 51.0544, 33.4095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2368, 67.5891, 17.6873 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(94, 244, 75)` looks like.

```
.text, #text, p{  
    color:rgb(94, 244, 75)  
}
```

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(94, 244, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 244, 75) }
```

Border

The CSS property to change the border of an element to XYZ 38.2368, 67.5891, 17.6873 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(94, 244, 75) }
```


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

```
.border{ border-color:rgb(94, 244, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 244, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 244, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 244, 75);  
box-shadow:4px 4px 4px 4px rgb(94, 244,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2368, 67.5891, 17.6873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 244, 75) }
```

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

```
.background{ background-color: rgb(94, 244,  
75) }
```

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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