

Converting Colors

XYZ(38.4663, 56.0373, 18.4805)

Have a look what the booklet for
XYZ(38.4663, 56.0373, 18.4805)
contains.

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Color

**XYZ(38.4340, 56.0530,
18.4665)**

Conversions

Conversions Part 1

Format	Color
Hex	93D85A
RGB	147, 216, 90
RGB Percent	58%, 85%, 35%
CMY	0.4235, 0.1529, 0.6470
CMYK	0.32, 0.00, 0.58, 0.15
HSL	93°, 62%, 60%
HSV	93°, 58%, 85%
XYZ	38.4340, 56.0530, 18.4665
YIQ	181.0050, -0.6780, -53.8140

Conversions

Conversions Part 2

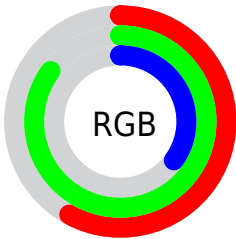
Format	Color
RYB	90, 216, 159
Decimal	9689178
CIELab	79.64, -42.52, 54.20
CIELCh	80, 68.886, 128.115
Yxy	56.0530, 0.3403, 0.4962
Android (android.graphics.Color)	4287879258 (0xFF93D85A)
YUV	181.0050, -44.8655, -29.8224
Hunter-Lab	74.8686, -39.3864, 37.7840

Details

The XYZ color **38.4340, 56.0530, 18.4665** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **30.3515, 19.6428, 67.1607**, and the grayscale version is **44.1604, 46.4601, 50.5951**.

A 20% lighter version of the original color is **65.6959, 86.3710, 39.5943**, and **17.3626, 27.8352, 6.0477** is the 20% darker color. If you saturate the color by 10%, you get **35.6320, 54.7015, 14.2140**, and if you desaturate by 10%, it is **41.7240, 57.6287, 24.1383**.

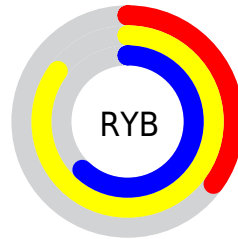
Distribution



Red (58%)

Green (85%)

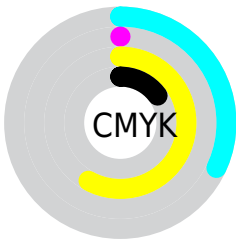
Blue (35%)



Red (35%)

Yellow (85%)

Blue (62%)

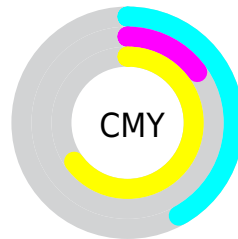


Cyan (32%)

Magenta (0%)

Yellow (58%)

Black (15%)



Cyan (42%)

Magenta (15%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4340, 56.0530, 18.4665 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 38.4340, 56.0530, 18.4665 by changing the saturation by 10% instead.

■ 38.4340, 56.0530,
18.4665

■ 38.4340, 56.0530,
18.4665

330.7268,
409.8912, 255.8113

■ 26.4984, 40.2454,
11.1125

■ 72.0725, 99.0821,
41.6553

■ 17.3315, 27.7299,
6.0275

■ 94.5061, 127.0723,
58.3271

■ 10.5679, 18.1222,
2.7927

■ 121.1698,
159.8923, 78.9421

■ 5.8422, 11.0377,
0.9898

■ 152.4289,
197.9263, 103.9186

■ 2.7891, 6.0922,
0.0000

188.6489,
241.5589, 133.6752

■ 1.0433, 2.9012,
0.0000

230.1949,

■ 0.0000, 1.0804,

291.1742, 168.6305

0.0000

277.4324,
347.1569, 209.2030

■ 0.0000, 0.0000,
0.0000

■ 38.4340, 56.0530,
18.4665

■ 38.4340, 56.0530,
18.4665

■ 35.6320, 54.7015,
14.2140

■ 41.7240, 57.6287,
24.1383

■ 33.2835, 53.5539,
11.2512

■ 45.5253, 59.4329,
31.3368

■ 31.3548, 52.5980,
9.4310

■ 49.8641, 61.4788,
40.1631

■ 29.7972, 51.8133,
8.5339

■ 54.7636, 63.7763,
50.7087

■ 29.5628, 51.6947,
8.4200

■ 60.2454, 66.3346,
63.0583

■ 66.3299, 69.1625,
77.2910

■ 73.0363, 72.2684,
93.4811

■ 79.1003, 75.1471,
104.9435

■ 83.2848, 77.3043,
105.1394

Harmonies

Analogous

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



49.5950, 56.0530, 12.3098



38.4340, 56.0530, 18.4665



32.1387, 56.0530, 36.7314

Triad

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



38.4340, 56.0530, 18.4665



43.9291, 56.0530, 163.0717



84.3305, 56.0530, 50.8596

Complementary

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



38.4340, 56.0530, 18.4665



30.3515, 19.6428, 67.1607

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.



82.0996, 56.0530, 94.2112



38.4340, 56.0530, 18.4665



57.1362, 56.0530, 172.3822

Square

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



38.4340, 56.0530, 18.4665



34.9060, 56.0530, 121.4613



71.5197, 56.0530, 143.1533



77.1720, 56.0530, 24.9487

Rectangle

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



38.4340, 56.0530, 18.4665



30.7941, 56.0530, 58.5508



71.5197, 56.0530, 143.1533



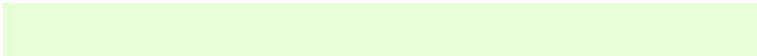
84.6746, 56.0530, 63.5827

Sweetspot

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



38.4353, 56.0554, 18.4677



80.6383, 93.2879, 75.8124



42.2575, 39.5210, 15.0748



16.9315, 19.8138, 15.5024



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.



38.4353, 56.0554, 18.4677



51.0343, 79.2415, 19.5343



30.8034, 52.0998, 19.0704



12.7906, 14.1683, 13.2213



17.6181, 30.6588, 4.9892



1.1573, 1.8980, 0.3054

Inverse Universe

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



30.3515, 19.6428, 67.1607



38.1816, 21.4861, 96.7426



43.8358, 26.6562, 64.9930



12.3861, 12.3405, 15.6666



11.9081, 5.2914, 38.8469



0.8130, 0.3680, 2.3475

Previews

White Background



This preview shows how the XYZ color 38.4340, 56.0530, 18.4665 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 38.4340, 56.0530, 18.4665 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 38.4340, 56.0530, 18.4665

Background



This preview shows how black text looks on a background with the XYZ color 38.4340, 56.0530, 18.4665.



This preview shows how white text looks on a background with the XYZ color 38.4340, 56.0530,

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

38.4340, 56.0530, 18.4665

Protanopia

50.4799, 55.4780, 16.4353

Deuteranopia

56.5929, 55.2997, 19.2464



Tritanopia

49.8680, 55.9333, 75.1857

Trichromacy



Original Color

38.4340, 56.0530, 18.4665



Protanomaly

45.0108, 55.0641, 17.0602



Deuteranomaly

47.9918, 54.4798, 18.8127



Tritanomaly

44.3003, 55.4612, 47.3999

Monochromacy



Original Color

38.4340, 56.0530, 18.4665



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.9993, 49.1567, 35.3443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4340, 56.0530, 18.4665 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(147, 216, 90)` looks like.

```
.text, #text, p{  
    color:rgb(147, 216, 90)  
}
```

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(147, 216, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 216, 90) }
```

Border

The CSS property to change the border of an element to XYZ 38.4340, 56.0530, 18.4665 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(147, 216, 90) }
```


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

```
.border{ border-color:rgb(147, 216, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 216, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 216, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 216, 90);  
box-shadow:4px 4px 4px 4px rgb(147, 216,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4340, 56.0530, 18.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 216, 90) }
```

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

```
.background{ background-color: rgb(147,  
216, 90) }
```

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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