

Converting Colors

XYZ(36.3823, 67.9459, 19.5848)

Have a look what the booklet for
XYZ(36.3823, 67.9459, 19.5848)
contains.

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Color

**XYZ(36.3823, 67.9459,
19.5848)**

Conversions

Conversions Part 1

Format	Color
Hex	36F754
RGB	54, 247, 84
RGB Percent	21%, 97%, 33%
CMY	0.7882, 0.0314, 0.6706
CMYK	0.78, 0.00, 0.66, 0.03
HSL	129°, 92%, 59%
HSV	129°, 78%, 97%
XYZ	36.3823, 67.9459, 19.5848
YIQ	170.7110, -62.7050, -91.6090

Conversions

Conversions Part 2

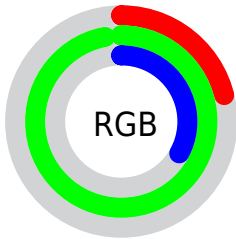
Format	Color
RYB	54, 221, 247
Decimal	3602260
CIELab	85.98, -76.53, 62.93
CIELCh	86, 99.078, 140.569
Yxy	67.9459, 0.2936, 0.5483
Android (android.graphics.Color)	4281792340 (0xFF36F754)
YUV	170.7110, -42.7485, -102.3555
Hunter-Lab	82.4293, -65.4657, 43.6135

Details

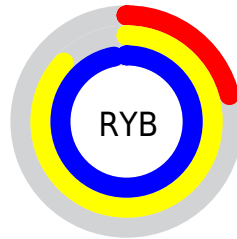
The XYZ color **36.3823, 67.9459, 19.5848** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **52.2030, 27.4231, 68.1876**, and the grayscale version is **38.7953, 40.8157, 44.4483**.

A 20% lighter version of the original color is **50.0093, 78.3190, 37.2923**, and **18.3151, 36.4422, 6.6848** is the 20% darker color. If you saturate the color by 10%, you get **34.6786, 67.1504, 15.8574**, and if you desaturate by 10%, it is **39.0047, 69.1909, 24.6278**.

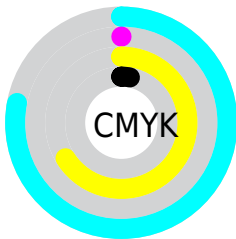
Distribution



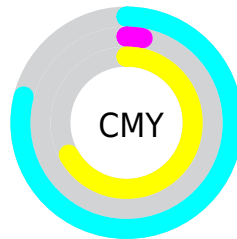
- Red (21%)
- Green (97%)
- Blue (33%)



- Red (21%)
- Yellow (87%)
- Blue (97%)



- Cyan (78%)
- Magenta (0%)
- Yellow (66%)
- Black (3%)



- Cyan (79%)
- Magenta (3%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3823, 67.9459, 19.5848 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 36.3823, 67.9459, 19.5848 by changing the saturation by 10% instead.

36.3823, 67.9459,
19.5848

36.3823, 67.9459,
19.5848

322.0306,
453.3043, 262.1879

24.9011, 49.8537,
11.9125

68.9417, 116.2747,
43.5697

16.1317, 35.2972,
6.5623

90.7507, 147.2802,
60.7195

9.7088, 23.8919,
3.1157

116.7329,
183.3589, 81.8655

5.2671, 15.2534,
1.1540

147.2537,
224.8952, 107.4262

2.4412, 8.9975,
0.0000

182.6786,
272.2735, 137.8203

0.8657, 4.7395,
0.0000

223.3728,

0.0000, 2.0953,

325.8781, 173.4663

0.0000

269.7017,
386.0936, 214.7826

0.0000, 0.6620,
0.0000

0.0000, 0.0000,
0.0000

36.3823, 67.9459,
19.5848

36.3823, 67.9459,
19.5848

34.6786, 67.1504,
15.8574

39.0047, 69.1909,
24.6278


33.7427, 66.7231,
13.3177


42.6501, 70.9309,
31.0893


33.6184, 66.6668,
12.9638


47.4137, 73.2150,
39.0670


53.3783, 76.0840,
48.6487

 60.6187, 79.5747,
59.9156

 69.2038, 83.7210,
72.9432

 79.1974, 88.5543,
87.8027

 90.6590, 94.1040,
104.5610

 92.5521, 95.0042,
108.0674

Harmonies

Analogous

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



50.4210, 67.9459, 7.8004



36.3823, 67.9459, 19.5848



30.3703, 67.9459, 55.3222

Triad

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



36.3823, 67.9459, 19.5848



57.6859, 67.9459, 278.6464



114.7009, 67.9459, 38.1667

Complementary

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



36.3823, 67.9459, 19.5848



52.2030, 27.4231, 68.1876

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.



117.9482, 67.9459, 96.4254



36.3823, 67.9459, 19.5848



81.1701, 67.9459, 263.7131

Square

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



36.3823, 67.9459, 19.5848



40.6254, 67.9459, 218.7244



104.5232, 67.9459, 185.2390



96.4774, 67.9459, 13.3264

Rectangle

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



36.3823, 67.9459, 19.5848



30.4615, 67.9459, 99.3734



104.5232, 67.9459, 185.2390



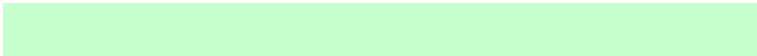
117.7234, 67.9459, 53.3315

Sweetspot

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



36.3839, 67.9487, 19.5863



69.6921, 87.7332, 71.3151



62.8576, 81.7043, 15.9477



14.2218, 18.4429, 14.2052



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.



36.3839, 67.9487, 19.5863



36.5945, 71.8771, 15.2607



42.9661, 70.5816, 54.2476



16.3872, 18.5140, 18.0574



17.8115, 35.2695, 7.0274



1.5960, 3.1121, 0.7784

Inverse Universe

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



52.2030, 27.4231, 68.1876



54.0355, 26.6583, 68.4466



43.1637, 23.8074, 20.5875



17.0964, 16.7214, 20.2544



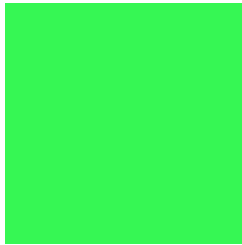
26.3900, 12.8994, 33.0919



2.3486, 1.1454, 3.0623

Previews

White Background



This preview shows how the XYZ color 36.3823, 67.9459, 19.5848 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 36.3823, 67.9459, 19.5848 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 36.3823, 67.9459, 19.5848

Background



This preview shows how black text looks on a background with the XYZ color 36.3823, 67.9459, 19.5848.



This preview shows how white text looks on a background with the XYZ color 36.3823, 67.9459,

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

36.3823, 67.9459, 19.5848

Protanopia

60.3241, 66.2736, 16.2693

Deuteranopia

66.7291, 66.0042, 29.6452



Tritanopia

52.3868, 67.4335, 100.6974

Trichromacy



Original Color

36.3823, 67.9459, 19.5848



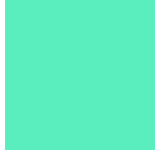
Protanomaly

45.0949, 63.0584, 17.0025



Deuteranomaly

47.8092, 62.3013, 24.8348



Tritanomaly

43.7949, 66.4597, 59.2350

Monochromacy



Original Color

36.3823, 67.9459, 19.5848



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.9857, 47.3001, 31.7647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3823, 67.9459, 19.5848 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(54, 247, 84)` looks like.

```
.text, #text, p{  
    color:rgb(54, 247, 84)  
}
```

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(54, 247, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 247, 84) }
```

Border

The CSS property to change the border of an element to XYZ 36.3823, 67.9459, 19.5848 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(54, 247, 84) }
```


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

```
.border{ border-color:rgb(54, 247, 84) }
```

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

Here you see how a box with a 4 pixel rgb(54, 247, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 247, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 247, 84);  
box-shadow:4px 4px 4px 4px rgb(54, 247,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3823, 67.9459, 19.5848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 247, 84) }
```

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

```
.background{ background-color: rgb(54, 247,  
84) }
```

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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