

Converting Colors

Yxy(36.5850, 0.3463, 0.4682)

Have a look what the booklet for
Yxy(36.5850, 0.3463, 0.4682)
contains.

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Color

Yxy(36.4827, 0.3466, 0.4683)

Conversions

Conversions Part 1

Format	Color
Hex	87AF56
RGB	135, 175, 86
RGB Percent	53%, 69%, 34%
CMY	0.4706, 0.3137, 0.6628
CMYK	0.23, 0.00, 0.51, 0.31
HSL	87°, 36%, 51%
HSV	87°, 51%, 69%
XYZ	27.0017, 36.4827, 14.4201
YIQ	152.8940, 4.7290, -36.1590

Conversions

Conversions Part 2

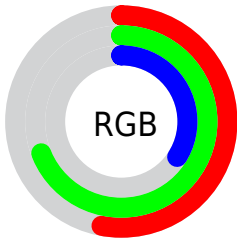
Format	Color
RYB	86, 175, 126
Decimal	8892246
CIELab	66.89, -28.58, 40.96
CIELCh	67, 49.949, 124.904
Yxy	36.4827, 0.3466, 0.4683
Android (android.graphics.Color)	4287082326 (0xFF87AF56)
YUV	152.8940, -32.9787, -15.6930
Hunter-Lab	60.4009, -25.9047, 28.1257

Details

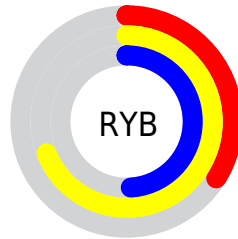
The Yxy color **36.4827, 0.3466, 0.4683** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **14.1838, 0.2584, 0.1864**, and the grayscale version is **31.9521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9340, 0.3421, 0.4398**, and **15.8854, 0.3510, 0.5142** is the 20% darker color. If you saturate the color by 10%, you get **35.6075, 0.3501, 0.4955**, and if you desaturate by 10%, it is **37.4783, 0.3415, 0.4396**.

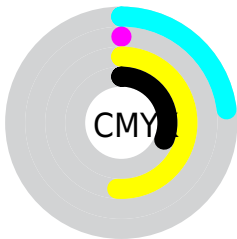
Distribution



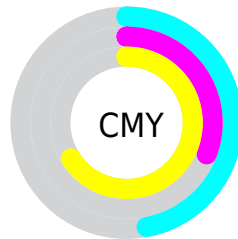
- Red (53%)
- Green (69%)
- Blue (34%)



- Red (34%)
- Yellow (69%)
- Blue (49%)



- Cyan (23%)
- Magenta (0%)
- Yellow (51%)
- Black (31%)




- Cyan (47%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4827, 0.3466, 0.4683 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 Yxy color 36.4827, 0.3466, 0.4683 by changing the saturation by 10% instead.


 36.4827, 0.3466,
0.4683


 36.4827, 0.3466,
0.4683


331.0654, 0.3322,
0.3931


 24.8072, 0.3487,
0.4884


 69.7765, 0.3423,
0.4398

 15.9335, 0.3502,
0.5148


 92.1635, 0.3404,
0.4295


 9.4771, 0.3498,
0.5501


 118.8899, 0.3387,
0.4208

 5.0537, 0.3483,
0.6065

 150.3400, 0.3371,
0.4135

 2.2788, 0.3260,
0.6740

 186.8982, 0.3357,
0.4073

 0.7624, 0.0342,
0.9658

228.9489, 0.3344,

 0.0000, 0.0000,

0.4019

0.0000

276.8765, 0.3333,
0.3972

■ 36.4827, 0.3466,
0.4683

■ 36.4827, 0.3466,
0.4683

■ 35.6075, 0.3501,
0.4955

■ 37.4783, 0.3415,
0.4396

■ 34.8418, 0.3517,
0.5198

■ 38.5952, 0.3352,
0.4107

■ 34.1803, 0.3510,
0.5400

■ 39.8401, 0.3282,
0.3826

■ 33.6149, 0.3481,
0.5550

■ 41.2180, 0.3208,
0.3559

■ 33.1680, 0.3440,
0.5651

■ 42.7332, 0.3134,
0.3311

■ 44.3903, 0.3061,
0.3083

■ 46.1931, 0.2990,
0.2876

■ 48.1458, 0.2924,
0.2690

■ 50.2520, 0.2861,
0.2524

Harmonies

Analogous

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



36.4827, 0.4133, 0.4508



36.4827, 0.3466, 0.4683



36.4827, 0.2746, 0.4336

Triad

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



36.4827, 0.3466, 0.4683



36.4827, 0.1850, 0.2339



36.4827, 0.4134, 0.2941

Complementary

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



36.4827, 0.3466, 0.4683



14.1838, 0.2584, 0.1864

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.



36.4827, 0.3391, 0.2495



36.4827, 0.3466, 0.4683



36.4827, 0.2117, 0.2149

Square

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



36.4827, 0.3466, 0.4683



36.4827, 0.1863, 0.2824



36.4827, 0.2651, 0.2214



36.4827, 0.4580, 0.3480

Rectangle

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



36.4827, 0.3466, 0.4683



36.4827, 0.2334, 0.3851



36.4827, 0.2651, 0.2214



36.4827, 0.3905, 0.2779

Sweetspot

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



36.4843, 0.3466, 0.4683



72.7026, 0.3241, 0.3674



24.3427, 0.4223, 0.3859



16.0461, 0.3256, 0.3729



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.4843, 0.3466, 0.4683



63.5959, 0.3504, 0.4986



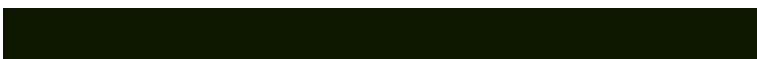
33.6043, 0.3096, 0.4858



9.1485, 0.3196, 0.3519



23.7887, 0.3448, 0.5644



0.6936, 0.3673, 0.5466

Inverse Universe

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



14.1838, 0.2584, 0.1864



19.1590, 0.2427, 0.1545



18.1918, 0.3109, 0.2061



7.9268, 0.3053, 0.3060



3.4312, 0.1944, 0.0845



0.1282, 0.2304, 0.1043

Previews

White Background



This preview shows how the Yxy color 36.4827, 0.3466, 0.4683 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 Yxy color 36.4827, 0.3466, 0.4683 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](#).

Yxy 36.4827, 0.3466, 0.4683

Background



This preview shows how black text looks on a background with the Yxy color 36.4827, 0.3466, 0.4683.



This preview shows how white text looks on a background with the Yxy color 36.4827, 0.3466, 0.4683.

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

36.4827, 0.3466, 0.4683

Protanopia

36.0336, 0.4016, 0.4380

Deuteranopia

36.2038, 0.4191, 0.4112



Tritanopia

36.4205, 0.2868, 0.3100

Trichromacy



Original Color

36.4827, 0.3466, 0.4683

Protanomaly

36.0485, 0.3807, 0.4502

Deuteranomaly

35.6759, 0.3918, 0.4313

Tritanomaly

36.2599, 0.3092, 0.3660

Monochromacy



Original Color

36.4827, 0.3466, 0.4683

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1857, 0.3267, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4827, 0.3466, 0.4683 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(135, 175, 86)` looks like.

```
.text, #text, p{  
    color:rgb(135, 175, 86)  
}
```

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(135, 175, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 175, 86) }
```

Border

The CSS property to change the border of an element to Yxy 36.4827, 0.3466, 0.4683 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(135, 175, 86) }
```

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

```
.border{ border-color:rgb(135, 175, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 175, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 175, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 175, 86);  
box-shadow:4px 4px 4px 4px rgb(135, 175,  
86) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.4827, 0.3466, 0.4683$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 175, 86) }
```

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

```
.background{ background-color: rgb(135,  
175, 86) }
```

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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