

Converting Colors

$Yxy(30.0890, 0.2982, 0.4536)$

Have a look what the booklet for
Yxy(30.0890, 0.2982, 0.4536)
contains.

| | |
|---|----|
| Yxy(30.1995, 0.2975, 0.4534) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(30.1995, 0.2975, 0.4534)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 57A663 |
| RGB | 87, 166, 99 |
| RGB Percent | 34%, 65%, 39% |
| CMY | 0.6590, 0.3490, 0.6117 |
| CMYK | 0.48, 0.00, 0.40, 0.35 |
| HSL | 129°, 31%, 50% |
| HSV | 129°, 48%, 65% |
| XYZ | 19.8155, 30.1995, 16.5917 |
| YIQ | 134.7410, -25.5770, -37.5850 |

Conversions

Conversions Part 2

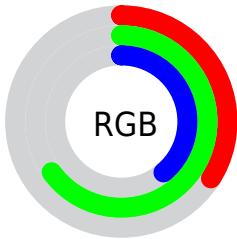
| Format | Color |
|-------------------------------------|--|
| RYB | 87, 156, 166 |
| Decimal | 5744227 |
| CIELab | 61.83, -38.98, 27.36 |
| CIELCh | 62, 47.621, 144.937 |
| Yxy | 30.1995, 0.2975, 0.4534 |
| Android (android.graphics.Color) | 4283934307 (0xFF57A663) |
| YUV | 134.7410, -17.6203, -41.8689 |
| Hunter-Lab | 54.9541, -31.8055, 20.5670 |

Details

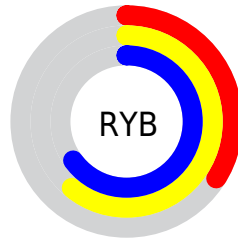
The Yxy color **30.1995, 0.2975, 0.4534** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.2471, 0.3338, 0.2307**, and the grayscale version is **24.1974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1396, 0.3018, 0.4251**, and **12.3253, 0.2872, 0.5030** is the 20% darker color. If you saturate the color by 10%, you get **29.2460, 0.2953, 0.4845**, and if you desaturate by 10%, it is **31.3861, 0.3003, 0.4230**.

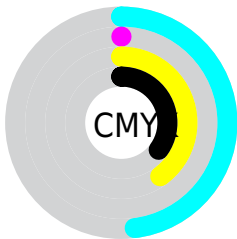
Distribution



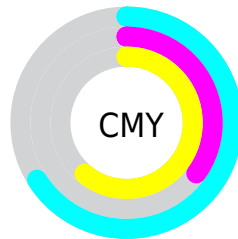
- Red (34%)
- Green (65%)
- Blue (39%)



- Red (34%)
- Yellow (61%)
- Blue (65%)



- Cyan (48%)
- Magenta (0%)
- Yellow (40%)
- Black (35%)





- Cyan (66%)
- Magenta (35%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1995, 0.2975, 0.4534 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 30.1995, 0.2975, 0.4534 by changing the saturation by 10% instead.

 30.1995, 0.2975,
0.4534


 30.1995, 0.2975,
0.4534


302.8333, 0.3080,
0.3827


 19.9901, 0.2935,
0.4743


 59.9775, 0.3022,
0.4254


 12.3878, 0.2872,
0.5034


 80.3149, 0.3037,
0.4156

 7.0084, 0.2767,
0.5459


 104.7971, 0.3049,
0.4076

 3.4673, 0.2576,
0.6150

 133.8084, 0.3058,
0.4009

 1.3803, 0.1750,
0.8250

167.7333, 0.3065,
0.3953

 0.2021, 0.0000,
1.0000

206.9561, 0.3071,

 0.0000, 0.0000,

0.3905

0.0000

251.8613, 0.3076,
0.3863

■ 30.1995, 0.2975,
0.4534

■ 30.1995, 0.2975,
0.4534

■ 29.2460, 0.2953,
0.4845

■ 31.3861, 0.3003,
0.4230

■ 28.5066, 0.2940,
0.5148

■ 32.8159, 0.3034,
0.3945

■ 27.9655, 0.2937,
0.5425

■ 34.5027, 0.3068,
0.3683


■ 27.6030, 0.2944,
0.5656


■ 36.4586, 0.3102,
0.3450

■ 27.3885, 0.2959,
0.5829

■ 38.6944, 0.3135,
0.3243

 27.3476, 0.2962,
0.5862

 41.2208, 0.3167,
0.3063

 44.0476, 0.3196,
0.2906

 47.1844, 0.3224,
0.2771

 50.6400, 0.3250,
0.2653

Harmonies

Analogous

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



30.1995, 0.3709, 0.4696



30.1995, 0.2975, 0.4534



30.1995, 0.2322, 0.3859

Triad

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



30.1995, 0.2975, 0.4534



30.1995, 0.1983, 0.2167



30.1995, 0.4501, 0.3293

Complementary

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



30.1995, 0.2975, 0.4534



17.2471, 0.3338, 0.2307

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.



30.1995, 0.3918, 0.2772



30.1995, 0.2975, 0.4534



30.1995, 0.2435, 0.2152

Square

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



30.1995, 0.2975, 0.4534



30.1995, 0.1806, 0.2453



30.1995, 0.3131, 0.2369



30.1995, 0.4640, 0.3859

Rectangle

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



30.1995, 0.2975, 0.4534



30.1995, 0.2017, 0.3304



30.1995, 0.3131, 0.2369



30.1995, 0.4348, 0.3111

Sweetspot

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



30.2008, 0.2975, 0.4534



63.7500, 0.3079, 0.3602



34.8480, 0.3691, 0.4480



14.1066, 0.3072, 0.3652



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.2008, 0.2975, 0.4534



53.0058, 0.2953, 0.4859



31.1444, 0.2693, 0.3783



8.4257, 0.3096, 0.3487



21.2086, 0.2959, 0.5851



0.5214, 0.2824, 0.5368

Inverse Universe

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



17.2471, 0.3338, 0.2307



26.6502, 0.3397, 0.2122



16.1450, 0.3937, 0.2863



7.6467, 0.3160, 0.3101



7.7757, 0.3629, 0.1773



0.1943, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 30.1995, 0.2975, 0.4534 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 30.1995, 0.2975, 0.4534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

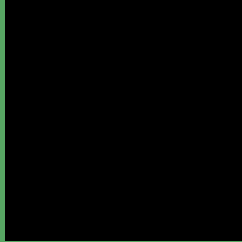
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1995, 0.2975, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 30.1995, 0.2975, 0.4534.



This preview shows how white text looks on a background with the Yxy color 30.1995, 0.2975, 0.4534.

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

30.1995, 0.2975, 0.4534

Protanopia

29.9490, 0.3832, 0.4161

Deuteranopia

29.7130, 0.3913, 0.3831



Tritanopia

30.2396, 0.2562, 0.3090

Trichromacy



Original Color

30.1995, 0.2975, 0.4534

Protanomaly

29.4198, 0.3474, 0.4298

Deuteranomaly

29.0418, 0.3515, 0.4080

Tritanomaly

30.0447, 0.2712, 0.3588

Monochromacy



Original Color

30.1995, 0.2975, 0.4534

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.8145, 0.3066, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1995, 0.2975, 0.4534 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(87, 166, 99)` looks like.

```
.text, #text, p{  
    color:rgb(87, 166, 99)  
}
```

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(87, 166, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 166, 99) }
```

Border

The CSS property to change the border of an element to Yxy 30.1995, 0.2975, 0.4534 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(87, 166, 99) }
```

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

```
.border{ border-color:rgb(87, 166, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 166, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 166, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 166, 99);  
box-shadow:4px 4px 4px 4px rgb(87, 166,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1995, 0.2975, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 166, 99) }
```

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

```
.background{ background-color: rgb(87, 166,  
99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor