

Converting Colors

$Y_{xy}(28.1890, 0.3098, 0.4763)$

Have a look what the booklet for
Yxy(28.1890, 0.3098, 0.4763)
contains.

Yxy(28.1890, 0.3098, 0.4763)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1890, 0.3098, 0.4763)

Conversions

Conversions Part 1

Format	Color
Hex	58A153
RGB	88, 161, 83
RGB Percent	35%, 63%, 33%
CMY	0.6547, 0.3686, 0.6745
CMYK	0.45, 0.00, 0.48, 0.37
HSL	116°, 32%, 48%
HSV	116°, 48%, 63%
XYZ	18.3350, 28.1890, 12.6593
YIQ	130.2810, -18.4700, -39.7340

Conversions

Conversions Part 2

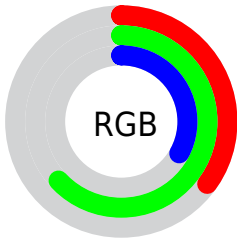
Format	Color
RYB	83, 161, 156
Decimal	5808467
CIELab	60.06, -38.94, 33.52
CIElCh	60, 51.381, 139.275
Yxy	28.1890, 0.3098, 0.4763
Android (android.graphics.Color)	4283998547 (0xFF58A153)
YUV	130.2810, -23.3095, -37.0804
Hunter-Lab	53.0933, -31.2710, 23.0285

Details

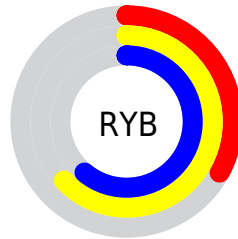
The Yxy color **28.1890, 0.3098, 0.4763** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.8229, 0.3114, 0.2121**, and the grayscale version is **22.5225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5837, 0.3127, 0.4422**, and **11.3657, 0.3006, 0.5366** is the 20% darker color. If you saturate the color by 10%, you get **27.3087, 0.3084, 0.5104**, and if you desaturate by 10%, it is **29.2813, 0.3109, 0.4417**.

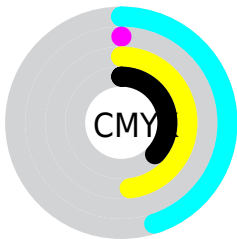
Distribution



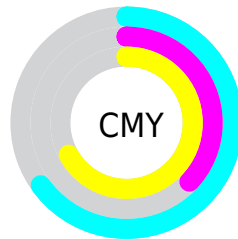
- Red (35%)
- Green (63%)
- Blue (33%)



- Red (33%)
- Yellow (63%)
- Blue (61%)



- Cyan (45%)
- Magenta (0%)
- Yellow (48%)
- Black (37%)





- Cyan (65%)
- Magenta (37%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1890, 0.3098, 0.4763 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 28.1890, 0.3098, 0.4763 by changing the saturation by 10% instead.


 28.1890, 0.3098,
0.4763


 28.1890, 0.3098,
0.4763


293.3689, 0.3148,
0.3917


 18.4682, 0.3066,
0.5015


 56.7860, 0.3128,
0.4426


 11.2866, 0.3009,
0.5363


 76.4311, 0.3136,
0.4309


 6.2600, 0.2898,
0.5869


 100.1529, 0.3140,
0.4213

 3.0038, 0.2808,
0.7018

 128.3361, 0.3143,
0.4134

 1.1337, 0.0869,
0.9131

 161.3648, 0.3145,
0.4067

 0.0065, 0.0000,
1.0000

199.6236, 0.3147,

 0.0000, 0.0000,

0.4009

0.0000

243.4969, 0.3147,
0.3960

■ 28.1890, 0.3098,
0.4763

■ 28.1890, 0.3098,
0.4763

■ 27.3087, 0.3084,
0.5104

■ 29.2813, 0.3109,
0.4417

■ 26.6232, 0.3068,
0.5416

■ 30.5941, 0.3117,
0.4085

■ 26.1188, 0.3050,
0.5675


■ 32.1401, 0.3122,
0.3777

■ 25.7782, 0.3031,
0.5861


■ 33.9298, 0.3126,
0.3499

■ 25.5773, 0.3017,
0.5972


■ 35.9731, 0.3127,
0.3254

 25.5553, 0.3016,
0.5987

 38.2793, 0.3128,
0.3039

 40.8574, 0.3127,
0.2853

 43.7157, 0.3126,
0.2692

 46.8624, 0.3124,
0.2553

Harmonies

Analogous

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



28.1890, 0.3891, 0.4801



28.1890, 0.3098, 0.4763



28.1890, 0.2356, 0.4093

Triad

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



28.1890, 0.3098, 0.4763



28.1890, 0.1826, 0.2100



28.1890, 0.4555, 0.3168

Complementary

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



28.1890, 0.3098, 0.4763



15.8229, 0.3114, 0.2121

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.



28.1890, 0.3838, 0.2628



28.1890, 0.3098, 0.4763



28.1890, 0.2255, 0.2039

Square

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



28.1890, 0.3098, 0.4763



28.1890, 0.1693, 0.2461



28.1890, 0.2967, 0.2229



28.1890, 0.4801, 0.3772

Rectangle

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



28.1890, 0.3098, 0.4763



28.1890, 0.1992, 0.3469



28.1890, 0.2967, 0.2229



28.1890, 0.4357, 0.2977

Sweetspot

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



28.1902, 0.3098, 0.4763



58.5291, 0.3124, 0.3686



31.9096, 0.3857, 0.4378



12.7031, 0.3123, 0.3742



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.1902, 0.3098, 0.4763



48.8210, 0.3083, 0.5125



28.6070, 0.2812, 0.4123



7.9159, 0.3126, 0.3521



20.4187, 0.3018, 0.5985



0.4352, 0.3105, 0.5917

Inverse Universe

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



15.8229, 0.3114, 0.2121



24.0100, 0.3104, 0.1904



15.3017, 0.3673, 0.2598



7.1787, 0.3128, 0.3068



7.2839, 0.3050, 0.1454



0.1595, 0.3112, 0.1488

Previews

White Background



This preview shows how the Yxy color 28.1890, 0.3098, 0.4763 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1890, 0.3098, 0.4763 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 × Fail

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

Yxy 28.1890, 0.3098, 0.4763

Background



This preview shows how black text looks on a background with the Yxy color 28.1890, 0.3098, 0.4763.



This preview shows how white text looks on a background with the Yxy color 28.1890, 0.3098, 0.4763.

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

28.1890, 0.3098, 0.4763

Protanopia

27.8533, 0.3970, 0.4318

Deuteranopia

27.6113, 0.4081, 0.3995



Tritanopia

28.0799, 0.2597, 0.3085

Trichromacy



Original Color

28.1890, 0.3098, 0.4763

Protanomaly

27.3638, 0.3612, 0.4495

Deuteranomaly

27.0855, 0.3678, 0.4270

Tritanomaly

27.7886, 0.2777, 0.3652

Monochromacy



Original Color

28.1890, 0.3098, 0.4763

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.8868, 0.3124, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1890, 0.3098, 0.4763 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(88, 161, 83)` looks like.

```
.text, #text, p{  
    color:rgb(88, 161, 83)  
}
```

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(88, 161, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 161, 83) }
```

Border

The CSS property to change the border of an element to Yxy 28.1890, 0.3098, 0.4763 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(88, 161, 83) }
```

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

```
.border{ border-color:rgb(88, 161, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 161, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 161, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 161, 83);  
box-shadow:4px 4px 4px 4px rgb(88, 161,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1890, 0.3098, 0.4763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 161, 83) }
```

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

```
.background{ background-color: rgb(88, 161,  
83) }
```

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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