

Converting Colors

$Y_{xy}(30.4025, 0.2885, 0.5454)$

Have a look what the booklet for
Yxy(30.4025, 0.2885, 0.5454)
contains.

Yxy(30.3728, 0.2883, 0.5450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.3728, 0.2883, 0.5450)

Conversions

Conversions Part 1

Format	Color
Hex	15AD3C
RGB	21, 173, 60
RGB Percent	8%, 68%, 24%
CMY	0.9180, 0.3215, 0.7647
CMYK	0.88, 0.00, 0.65, 0.32
HSL	135°, 78%, 38%
HSV	135°, 88%, 68%
XYZ	16.0669, 30.3728, 9.2902
YIQ	114.6700, -54.3190, -67.3670

Conversions

Conversions Part 2

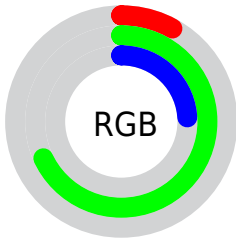
Format	Color
R _Y B	21, 142, 173
Decimal	1420604
CIE Lab	61.97, -59.64, 46.39
CIE LCh	62, 75.555, 142.120
Yxy	30.3728, 0.2883, 0.5450
Android (android.graphics.Color)	4279610684 (0xFF15AD3C)
YUV	114.6700, -26.9523, -82.1486
Hunter-Lab	55.1115, -44.4062, 28.5835

Details

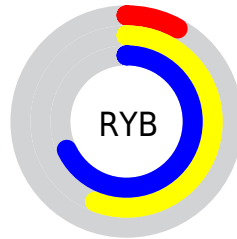
The Yxy color **30.3728, 0.2883, 0.5450** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.1369, 0.3861, 0.1973**, and the grayscale version is **17.1271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4161, 0.2984, 0.4958**, and **13.1937, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.1191, 0.2908, 0.5648**, and if you desaturate by 10%, it is **30.7846, 0.2870, 0.5212**.

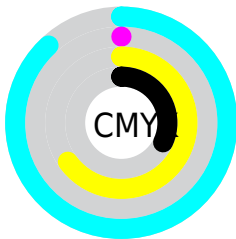
Distribution



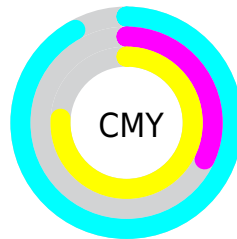
- Red (8%)
- Green (68%)
- Blue (24%)



- Red (8%)
- Yellow (56%)
- Blue (68%)



- Cyan (88%)
- Magenta (0%)
- Yellow (65%)
- Black (32%)



- Cyan (92%)
- Magenta (32%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3728, 0.2883, 0.5450 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 30.3728, 0.2883, 0.5450 by changing the saturation by 10% instead.


 30.3728, 0.2883,
0.5450


 30.3728, 0.2883,
0.5450


303.6383, 0.3087,
0.4203


 20.1217, 0.2791,
0.5813


 60.2512, 0.2984,
0.4956


 12.4836, 0.2643,
0.6301


 80.6474, 0.3013,
0.4783

 7.0739, 0.2397,
0.6999


 105.1940, 0.3034,
0.4641

 3.5084, 0.1962,
0.8038

 134.2756, 0.3050,
0.4524

 1.4025, 0.0000,
1.0000

 168.2764, 0.3063,
0.4424

 0.2186, 0.0000,
1.0000

 207.5808, 0.3073,

 0.0000, 0.0000,

0.4340

0.0000

252.5733, 0.3080,
0.4267

■ 30.3728, 0.2883,
0.5450

■ 30.3728, 0.2883,
0.5450

■ 30.1191, 0.2908,
0.5648

■ 30.7846, 0.2870,
0.5212

■ 30.0747, 0.2912,
0.5685

■ 31.3833, 0.2871,
0.4947

■ 32.1910, 0.2887,
0.4668

■ 33.2256, 0.2915,
0.4389

■ 34.5030, 0.2951,
0.4121

■ 36.0376, 0.2994,
0.3870

■ 37.8428, 0.3041,
0.3641

■ 39.9310, 0.3089,
0.3436

■ 42.3137, 0.3137,
0.3254

Harmonies

Analogous

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



30.3728, 0.3943, 0.5409



30.3728, 0.2883, 0.5450



30.3728, 0.1939, 0.4343

Triad

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



30.3728, 0.2883, 0.5450



30.3728, 0.1449, 0.1674



30.3728, 0.5223, 0.3115

Complementary

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



30.3728, 0.2883, 0.5450



11.1369, 0.3861, 0.1973

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.



30.3728, 0.4240, 0.2440



30.3728, 0.2883, 0.5450



30.3728, 0.2008, 0.1655

Square

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



30.3728, 0.2883, 0.5450



30.3728, 0.1246, 0.2047



30.3728, 0.2983, 0.1923



30.3728, 0.5412, 0.3863

Rectangle

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



30.3728, 0.2883, 0.5450



30.3728, 0.1518, 0.3364



30.3728, 0.2983, 0.1923



30.3728, 0.4968, 0.2880

Sweetspot

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



30.3740, 0.2883, 0.5450



64.9779, 0.3001, 0.3835



35.0926, 0.3780, 0.5292



13.9054, 0.2986, 0.3915



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.3740, 0.2883, 0.5450



53.8287, 0.2920, 0.5711



31.7966, 0.2470, 0.4003



8.9719, 0.3082, 0.3463



22.1009, 0.2908, 0.5667



0.6237, 0.2738, 0.5057

Inverse Universe

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



11.1369, 0.3861, 0.1973



18.6913, 0.3999, 0.1977



9.7331, 0.5531, 0.2944



8.1124, 0.3175, 0.3123



7.6919, 0.3973, 0.1962



0.2222, 0.3697, 0.1810

Previews

White Background



This preview shows how the Yxy color 30.3728, 0.2883, 0.5450 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 30.3728, 0.2883, 0.5450 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 30.3728, 0.2883, 0.5450

Background



This preview shows how black text looks on a background with the Yxy color 30.3728, 0.2883, 0.5450.



This preview shows how white text looks on a background with the Yxy color 30.3728, 0.2883, 0.5450.

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

30.3728, 0.2883, 0.5450

Protanopia

29.8589, 0.4193, 0.4617

Deuteranopia

29.5592, 0.4331, 0.4245



Tritanopia

30.3135, 0.2361, 0.3067

Trichromacy



Original Color

30.3728, 0.2883, 0.5450



Protanomaly

28.2500, 0.3517, 0.5031



Deuteranomaly

27.4609, 0.3597, 0.4775



Tritanomaly

29.7228, 0.2546, 0.3912

Monochromacy



Original Color

30.3728, 0.2883, 0.5450



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.1839, 0.2946, 0.4169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3728, 0.2883, 0.5450 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(21, 173, 60)` looks like.

```
.text, #text, p{  
    color:rgb(21, 173, 60)  
}
```

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(21, 173, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 173, 60) }
```

Border

The CSS property to change the border of an element to Yxy 30.3728, 0.2883, 0.5450 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(21, 173, 60) }
```

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

```
.border{ border-color:rgb(21, 173, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 173, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 173, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 173, 60);  
box-shadow:4px 4px 4px 4px rgb(21, 173,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3728, 0.2883, 0.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 173, 60) }
```

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

```
.background{ background-color: rgb(21, 173,  
60) }
```

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