

Converting Colors

$Yxy(17.0829, 0.3042, 0.5114)$

Have a look what the booklet for
Yxy(17.0829, 0.3042, 0.5114)
contains.

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Color

Yxy(16.9792, 0.3041, 0.5116)

Conversions

Conversions Part 1

Format	Color
Hex	358235
RGB	53, 130, 53
RGB Percent	21%, 51%, 21%
CMY	0.7923, 0.4902, 0.7920
CMYK	0.59, 0.00, 0.59, 0.49
HSL	120°, 42%, 36%
HSV	120°, 59%, 51%
XYZ	10.0926, 16.9792, 6.1166
YIQ	98.1990, -21.1750, -40.2710

Conversions

Conversions Part 2

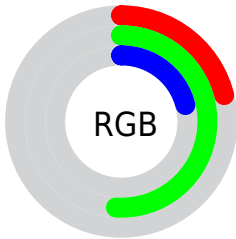
Format	Color
RYB	53, 130, 130
Decimal	3506741
CIELab	48.23, -40.10, 34.15
CIELCh	48, 52.672, 139.582
Yxy	16.9792, 0.3041, 0.5116
Android (android.graphics.Color)	4281696821 (0xFF358235)
YUV	98.1990, -22.2831, -39.6395
Hunter-Lab	41.2058, -28.3899, 20.0430

Details

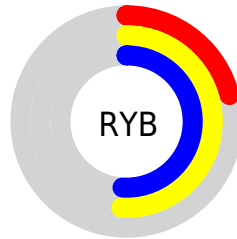
The Yxy color **16.9792, 0.3041, 0.5116** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.8996, 0.3191, 0.1958**, and the grayscale version is **12.3257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4284, 0.3107, 0.4642**, and **5.7439, 0.2983, 0.5939** is the 20% darker color. If you saturate the color by 10%, you get **16.5705, 0.3026, 0.5427**, and if you desaturate by 10%, it is **17.5173, 0.3057, 0.4776**.

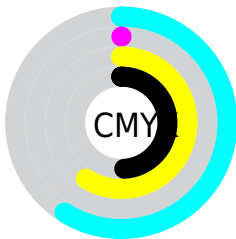
Distribution



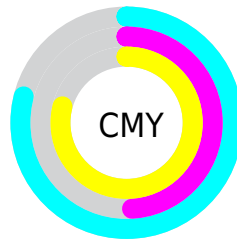
- Red (21%)
- Green (51%)
- Blue (21%)



- Red (21%)
- Yellow (51%)
- Blue (51%)



- Cyan (59%)
- Magenta (0%)
- Yellow (59%)
- Black (49%)




- Cyan (79%)
- Magenta (49%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9792, 0.3041, 0.5116 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 16.9792, 0.3041, 0.5116 by changing the saturation by 10% instead.


 16.9792, 0.3041,
0.5116


 16.9792, 0.3041,
0.5116

235.0525, 0.3143,
0.3985


 10.2197, 0.2971,
0.5498


 38.2900, 0.3103,
0.4638


 5.5448, 0.2834,
0.6055

 53.6101, 0.3117,
0.4480


 2.5703, 0.2685,
0.7315

 72.5524, 0.3126,
0.4354

 0.9118, 0.0000,
1.0000

 95.5015, 0.3133,
0.4252

 0.0000, 0.0000,
0.0000

 122.8416, 0.3137,
0.4168

 154.9572, 0.3139,

0.4097

192.2327, 0.3141,
0.4037

■ 16.9792, 0.3041,
0.5116

■ 16.9792, 0.3041,
0.5116

■ 16.5705, 0.3026,
0.5427

■ 17.5173, 0.3057,
0.4776

■ 16.2785, 0.3014,
0.5684

■ 18.1921, 0.3073,
0.4431

■ 16.0916, 0.3006,
0.5868

■ 19.0130, 0.3089,
0.4100

■ 15.9752, 0.3000,
0.5990

■ 19.9877, 0.3103,
0.3793

■ 15.9669, 0.3000,
0.5999

■ 21.1235, 0.3116,
0.3517

■ 22.4274, 0.3128,
0.3273

■ 23.9056, 0.3138,
0.3061

■ 25.5644, 0.3147,
0.2877

■ 27.4095, 0.3154,
0.2718

Harmonies

Analogous

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



16.9792, 0.3973, 0.5094



16.9792, 0.3041, 0.5116



16.9792, 0.2180, 0.4270

Triad

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



16.9792, 0.3041, 0.5116



16.9792, 0.1615, 0.1887



16.9792, 0.4863, 0.3120

Complementary

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



16.9792, 0.3041, 0.5116



8.8996, 0.3191, 0.1958

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.



16.9792, 0.3990, 0.2510



16.9792, 0.3041, 0.5116



16.9792, 0.2099, 0.1835

Square

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



16.9792, 0.3041, 0.5116



16.9792, 0.1458, 0.2277



16.9792, 0.2932, 0.2056



16.9792, 0.5123, 0.3802

Rectangle

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



16.9792, 0.3041, 0.5116



16.9792, 0.1771, 0.3475



16.9792, 0.2932, 0.2056



16.9792, 0.4625, 0.2905

Sweetspot

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



16.9799, 0.3041, 0.5116



35.3558, 0.3105, 0.3768



20.9696, 0.3939, 0.4632



7.8989, 0.3101, 0.3841



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.9799, 0.3041, 0.5116



28.9853, 0.3022, 0.5520



17.4864, 0.2729, 0.4200



4.8188, 0.3117, 0.3512



15.3084, 0.3000, 0.5999



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.8996, 0.3191, 0.1958



13.3731, 0.3201, 0.1755



8.0532, 0.3951, 0.2569



4.4124, 0.3137, 0.3077



6.0932, 0.3211, 0.1543



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9792, 0.3041, 0.5116 looks on a white 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

Black Background



This preview shows how the Yxy color 16.9792, 0.3041, 0.5116 looks on a black 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

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

Yxy 16.9792, 0.3041, 0.5116

Background



This preview shows how black text looks on a background with the Yxy color 16.9792, 0.3041, 0.5116.



This preview shows how white text looks on a background with the Yxy color 16.9792, 0.3041, 0.5116.

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

16.9792, 0.3041, 0.5116

Protanopia

16.7601, 0.4104, 0.4495

Deuteranopia

16.6163, 0.4238, 0.4151



Tritanopia

16.9627, 0.2502, 0.3077

Trichromacy



Original Color

16.9792, 0.3041, 0.5116

Protanomaly

16.3726, 0.3644, 0.4754

Deuteranomaly

15.9743, 0.3720, 0.4512

Tritanomaly

16.7703, 0.2708, 0.3797

Monochromacy



Original Color

16.9792, 0.3041, 0.5116

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.5549, 0.3095, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9792, 0.3041, 0.5116 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(53, 130, 53)` looks like.

```
.text, #text, p{  
    color:rgb(53, 130, 53)  
}
```

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(53, 130, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 130, 53) }
```

Border

The CSS property to change the border of an element to Yxy 16.9792, 0.3041, 0.5116 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(53, 130, 53) }
```

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

```
.border{ border-color:rgb(53, 130, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 130, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 130, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 130, 53);  
box-shadow:4px 4px 4px 4px rgb(53, 130,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9792, 0.3041, 0.5116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 130, 53) }
```

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

```
.background{ background-color: rgb(53, 130,  
53) }
```

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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