

Converting Colors

$Y_{xy}(17.2235, 0.3191, 0.4582)$

Have a look what the booklet for
Yxy(17.2235, 0.3191, 0.4582)
contains.

Yxy(17.1007, 0.3195, 0.4581)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.1007, 0.3195, 0.4581)

Conversions

Conversions Part 1

Format	Color
Hex	517E45
RGB	81, 126, 69
RGB Percent	32%, 49%, 27%
CMY	0.6824, 0.5059, 0.7294
CMYK	0.36, 0.00, 0.45, 0.51
HSL	107°, 29%, 38%
HSV	107°, 45%, 49%
XYZ	11.9268, 17.1007, 8.3021
YIQ	106.0470, -8.5230, -27.2670

Conversions

Conversions Part 2

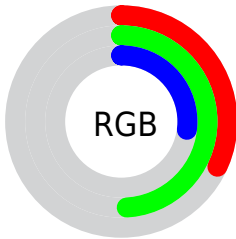
Format	Color
R_{YB}	69, 126, 114
Decimal	5340741
CIE _{Lab}	48.39, -27.21, 26.20
CIE _{LCh}	48, 37.773, 136.077
Yxy	17.1007, 0.3195, 0.4581
Android (android.graphics.Color)	4283530821 (0xFF517E45)
YUV	106.0470, -18.2642, -21.9662
Hunter-Lab	41.3530, -20.8857, 17.0439

Details

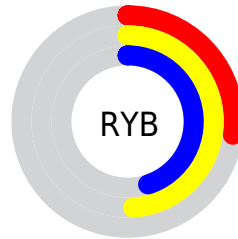
The Yxy color **17.1007, 0.3195, 0.4581** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.3422, 0.2982, 0.2170**, and the grayscale version is **14.4784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4537, 0.3198, 0.4254**, and **5.6767, 0.3150, 0.5252** is the 20% darker color. If you saturate the color by 10%, you get **16.5534, 0.3195, 0.4903**, and if you desaturate by 10%, it is **17.7472, 0.3188, 0.4261**.

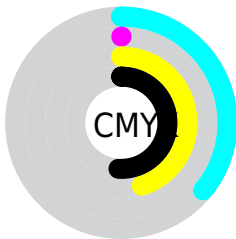
Distribution



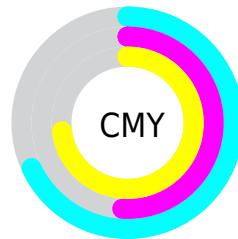
- Red (32%)
- Green (49%)
- Blue (27%)



- Red (27%)
- Yellow (49%)
- Blue (45%)



- Cyan (36%)
- Magenta (0%)
- Yellow (45%)
- Black (51%)





- Cyan (68%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1007, 0.3195, 0.4581 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 17.1007, 0.3195, 0.4581 by changing the saturation by 10% instead.


 17.1007, 0.3195,
0.4581


 17.1007, 0.3195,
0.4581


235.7520, 0.3181,
0.3793


 10.3063, 0.3181,
0.4845


 38.4988, 0.3199,
0.4250


 5.6025, 0.3142,
0.5237

 53.8714, 0.3197,
0.4140

 2.6049, 0.3107,
0.6007

 72.8721, 0.3195,
0.4053

 0.9291, 0.1902,
0.8098

 95.8854, 0.3192,
0.3982

 0.0000, 0.0000,
0.0000

 123.2956, 0.3189,
0.3922

155.4872, 0.3186,

0.3872

192.8445, 0.3183,
0.3830

■ 17.1007, 0.3195,
0.4581

■ 17.1007, 0.3195,
0.4581

■ 16.5534, 0.3195,
0.4903

■ 17.7472, 0.3188,
0.4261

■ 16.0981, 0.3186,
0.5211

■ 18.4952, 0.3174,
0.3955

■ 15.7303, 0.3167,
0.5485

■ 19.3498, 0.3157,
0.3671


■ 15.4439, 0.3139,
0.5705


■ 20.3149, 0.3138,
0.3414

■ 15.2312, 0.3104,
0.5862


■ 21.3943, 0.3117,
0.3184

 15.1494, 0.3091,
0.5928

 22.5918, 0.3096,
0.2980

 23.9107, 0.3075,
0.2800

 25.3543, 0.3055,
0.2642

 26.9259, 0.3036,
0.2504

Harmonies

Analogous

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



17.1007, 0.3887, 0.4589



17.1007, 0.3195, 0.4581



17.1007, 0.2522, 0.4058

Triad

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



17.1007, 0.3195, 0.4581



17.1007, 0.1945, 0.2261



17.1007, 0.4317, 0.3141

Complementary

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



17.1007, 0.3195, 0.4581



9.3422, 0.2982, 0.2170

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.



17.1007, 0.3670, 0.2661



17.1007, 0.3195, 0.4581



17.1007, 0.2306, 0.2171

Square

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



17.1007, 0.3195, 0.4581



17.1007, 0.1854, 0.2626



17.1007, 0.2916, 0.2318



17.1007, 0.4590, 0.3684

Rectangle

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



17.1007, 0.3195, 0.4581



17.1007, 0.2175, 0.3540



17.1007, 0.2916, 0.2318



17.1007, 0.4132, 0.2971

Sweetspot

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



17.1014, 0.3195, 0.4581



34.2029, 0.3156, 0.3647



16.8228, 0.3863, 0.4150



7.7146, 0.3159, 0.3695



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.1014, 0.3195, 0.4581



29.1324, 0.3195, 0.4904



16.8470, 0.2914, 0.4246



4.8589, 0.3146, 0.3510



15.5383, 0.3090, 0.5928



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3422, 0.2982, 0.2170



13.6846, 0.2936, 0.1934



9.8150, 0.3450, 0.2501



4.3683, 0.3106, 0.3075



4.2956, 0.2698, 0.1260



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.1007, 0.3195, 0.4581 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 17.1007, 0.3195, 0.4581 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 17.1007, 0.3195, 0.4581

Background



This preview shows how black text looks on a background with the Yxy color 17.1007, 0.3195, 0.4581.



This preview shows how white text looks on a background with the Yxy color 17.1007, 0.3195, 0.4581.

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

17.1007, 0.3195, 0.4581

Protanopia

16.8519, 0.3908, 0.4228

Deuteranopia

16.8216, 0.4024, 0.3947



Tritanopia

17.0028, 0.2697, 0.3083

Trichromacy



Original Color

17.1007, 0.3195, 0.4581

Protanomaly

16.6652, 0.3637, 0.4363

Deuteranomaly

16.5113, 0.3687, 0.4160

Tritanomaly

17.0068, 0.2880, 0.3616

Monochromacy



Original Color

17.1007, 0.3195, 0.4581

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.1420, 0.3159, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1007, 0.3195, 0.4581 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(81, 126, 69)` looks like.

```
.text, #text, p{  
    color:rgb(81, 126, 69)  
}
```

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(81, 126, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 126, 69) }
```

Border

The CSS property to change the border of an element to Yxy 17.1007, 0.3195, 0.4581 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(81, 126, 69) }
```

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

```
.border{ border-color:rgb(81, 126, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 126, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 126, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 126, 69);  
box-shadow:4px 4px 4px 4px rgb(81, 126,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1007, 0.3195, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 126, 69) }
```

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

```
.background{ background-color: rgb(81, 126,  
69) }
```

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