

Converting Colors

$Y_{xy}(17.3885, 0.3044, 0.5386)$

Have a look what the booklet for
Yxy(17.3885, 0.3044, 0.5386)
contains.

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Color

Yxy(17.5001, 0.3048, 0.5395)

Conversions

Conversions Part 1

Format	Color
Hex	2D852A
RGB	45, 133, 42
RGB Percent	18%, 52%, 16%
CMY	0.8237, 0.4784, 0.8351
CMYK	0.66, 0.00, 0.68, 0.48
HSL	118°, 52%, 34%
HSV	118°, 68%, 52%
XYZ	9.8870, 17.5001, 5.0505
YIQ	96.3140, -23.2370, -46.9570

Conversions

Conversions Part 2

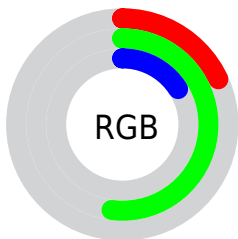
Format	Color
RYB	42, 133, 130
Decimal	2983210
CIELab	48.88, -44.52, 40.01
CIELCh	49, 59.858, 138.057
Yxy	17.5001, 0.3048, 0.5395
Android (android.graphics.Color)	4281173290 (0xFF2D852A)
YUV	96.3140, -26.7768, -45.0024
Hunter-Lab	41.8331, -31.0206, 22.1251

Details

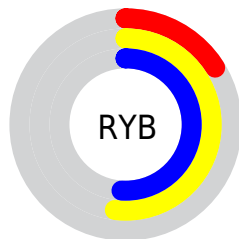
The Yxy color **17.5001, 0.3048, 0.5395** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.1041, 0.3146, 0.1785**, and the grayscale version is **11.8473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1381, 0.3121, 0.4852**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.1723, 0.3033, 0.5658**, and if you desaturate by 10%, it is **17.9501, 0.3064, 0.5082**.

Distribution



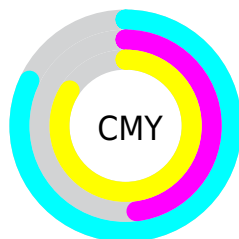
- Red (18%)
- Green (52%)
- Blue (16%)



- Red (16%)
- Yellow (52%)
- Blue (51%)



- Cyan (66%)
- Magenta (0%)
- Yellow (68%)
- Black (48%)





- Cyan (82%)
- Magenta (48%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5001, 0.3048, 0.5395 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 17.5001, 0.3048, 0.5395 by changing the saturation by 10% instead.


 17.5001, 0.3048,
0.5395


 17.5001, 0.3048,
0.5395


238.0381, 0.3164,
0.4095


 10.5917, 0.2960,
0.5821


 39.1836, 0.3124,
0.4850


 5.7930, 0.2795,
0.6444

 54.7276, 0.3140,
0.4668


 2.7196, 0.2490,
0.7510

 73.9188, 0.3150,
0.4524

 0.9872, 0.0000,
1.0000

 97.1417, 0.3156,
0.4406

 0.0000, 0.0000,
0.0000

 124.7807, 0.3160,
0.4308

 157.2201, 0.3163,

0.4226

194.8445, 0.3164,
0.4156

■ 17.5001, 0.3048,
0.5395

■ 17.5001, 0.3048,
0.5395

■ 17.1723, 0.3033,
0.5658

■ 17.9501, 0.3064,
0.5082

■ 16.9527, 0.3019,
0.5849

■ 18.5302, 0.3078,
0.4742

■ 16.8219, 0.3011,
0.5973

■ 19.2502, 0.3092,
0.4400

■ 16.8039, 0.3010,
0.5992

■ 20.1184, 0.3104,
0.4071

■ 21.1426, 0.3114,
0.3768

■ 22.3297, 0.3122,
0.3495

■ 23.6864, 0.3128,
0.3253

■ 25.2192, 0.3133,
0.3042

■ 26.9338, 0.3137,
0.2860

Harmonies

Analogous

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



17.5001, 0.4066, 0.5256



17.5001, 0.3048, 0.5395



17.5001, 0.2101, 0.4473

Triad

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



17.5001, 0.3048, 0.5395



17.5001, 0.1461, 0.1761



17.5001, 0.5038, 0.3041

Complementary

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



17.5001, 0.3048, 0.5395



8.1041, 0.3146, 0.1785

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.



17.5001, 0.4029, 0.2396



17.5001, 0.3048, 0.5395



17.5001, 0.1956, 0.1697

Square

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



17.5001, 0.3048, 0.5395



17.5001, 0.1308, 0.2187



17.5001, 0.2844, 0.1921



17.5001, 0.5342, 0.3764

Rectangle

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



17.5001, 0.3048, 0.5395



17.5001, 0.1651, 0.3549



17.5001, 0.2844, 0.1921



17.5001, 0.4761, 0.2814

Sweetspot

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



17.5008, 0.3048, 0.5395



37.2633, 0.3111, 0.3858



21.1122, 0.4061, 0.4744



8.2985, 0.3108, 0.3928



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.5008, 0.3048, 0.5395



30.5121, 0.3025, 0.5772



17.9171, 0.2724, 0.4451



5.2114, 0.3121, 0.3514



16.0056, 0.3010, 0.5992



0.0559, 0.3058, 0.5954

Inverse Universe

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



8.1041, 0.3146, 0.1785



12.4393, 0.3141, 0.1601



7.3932, 0.4078, 0.2437



4.7554, 0.3132, 0.3075



6.0384, 0.3131, 0.1499



0.0215, 0.3173, 0.1522

Previews

White Background



This preview shows how the Yxy color 17.5001, 0.3048, 0.5395 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 17.5001, 0.3048, 0.5395 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 17.5001, 0.3048, 0.5395

Background



This preview shows how black text looks on a background with the Yxy color 17.5001, 0.3048, 0.5395.



This preview shows how white text looks on a background with the Yxy color 17.5001, 0.3048, 0.5395.

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

17.5001, 0.3048, 0.5395

Protanopia

17.2915, 0.4204, 0.4650

Deuteranopia

17.2218, 0.4357, 0.4292



Tritanopia

17.3655, 0.2462, 0.3077

Trichromacy



Original Color

17.5001, 0.3048, 0.5395

Protanomaly

16.6622, 0.3689, 0.4972

Deuteranomaly

16.2879, 0.3785, 0.4723

Tritanomaly

17.0790, 0.2690, 0.3893

Monochromacy



Original Color

17.5001, 0.3048, 0.5395

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.0369, 0.3102, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5001, 0.3048, 0.5395 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(45, 133, 42)` looks like.

```
.text, #text, p{  
    color:rgb(45, 133, 42)  
}
```

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(45, 133, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 133, 42) }
```

Border

The CSS property to change the border of an element to Yxy 17.5001, 0.3048, 0.5395 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(45, 133, 42) }
```

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

```
.border{ border-color:rgb(45, 133, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 133, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 133, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 133, 42);  
box-shadow:4px 4px 4px 4px rgb(45, 133,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5001, 0.3048, 0.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 133, 42) }
```

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

```
.background{ background-color: rgb(45, 133,  
42) }
```

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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