

Converting Colors

$Y_{xy}(17.9716, 0.2951, 0.5109)$

Have a look what the booklet for
Yxy(17.9716, 0.2951, 0.5109)
contains.

Yxy(17.9035, 0.2953, 0.5111)	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(17.9035, 0.2953, 0.5111)

Conversions

Conversions Part 1

Format	Color
Hex	2D8639
RGB	45, 134, 57
RGB Percent	18%, 53%, 22%
CMY	0.8237, 0.4745, 0.7765
CMYK	0.66, 0.00, 0.57, 0.47
HSL	128°, 50%, 35%
HSV	128°, 66%, 53%
XYZ	10.3442, 17.9035, 6.7817
YIQ	98.6110, -28.3270, -42.8150

Conversions

Conversions Part 2

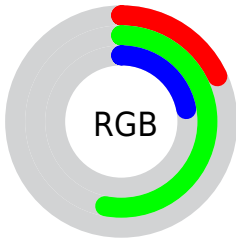
Format	Color
R_{YB}	45, 123, 134
Decimal	2983481
CIE _{Lab}	49.38, -43.09, 33.44
CIE _{LCh}	49, 54.542, 142.181
Yxy	17.9035, 0.2953, 0.5111
Android (android.graphics.Color)	4281173561 (0xFF2D8639)
YUV	98.6110, -20.5142, -47.0168
Hunter-Lab	42.3125, -30.4089, 20.1160

Details

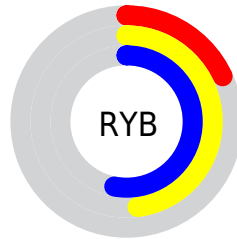
The Yxy color **17.9035, 0.2953, 0.5111** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.3457, 0.3410, 0.1993**, and the grayscale version is **12.4293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8318, 0.3036, 0.4640**, and **6.2019, 0.2964, 0.5869** is the 20% darker color. If you saturate the color by 10%, you get **17.5446, 0.2947, 0.5392**, and if you desaturate by 10%, it is **18.3867, 0.2968, 0.4806**.

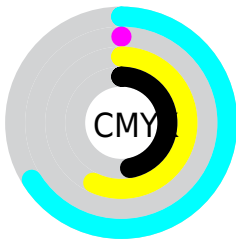
Distribution



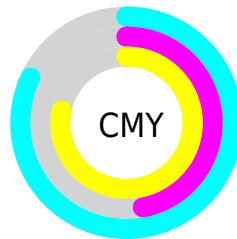
- Red (18%)
- Green (53%)
- Blue (22%)



- Red (18%)
- Yellow (48%)
- Blue (53%)



- Cyan (66%)
- Magenta (0%)
- Yellow (57%)
- Black (47%)





- Cyan (82%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9035, 0.2953, 0.5111 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 17.9035, 0.2953, 0.5111 by changing the saturation by 10% instead.


 17.9035, 0.2953,
0.5111


 17.9035, 0.2953,
0.5111


240.3266, 0.3104,
0.3987


 10.8807, 0.2871,
0.5489


 39.8728, 0.3033,
0.4637


 5.9867, 0.2723,
0.6043

 55.5882, 0.3054,
0.4480


 2.8370, 0.2598,
0.7402

 74.9698, 0.3069,
0.4355

 1.0472, 0.0000,
1.0000

 98.4022, 0.3080,
0.4253

 0.0000, 0.0000,
0.0000

 126.2696, 0.3089,
0.4169

 158.9566, 0.3095,

0.4099

196.8474, 0.3100,
0.4039

■ 17.9035, 0.2953,
0.5111

■ 17.9035, 0.2953,
0.5111

■ 17.5446, 0.2947,
0.5392

■ 18.3867, 0.2968,
0.4806

■ 17.2966, 0.2950,
0.5630

■ 19.0020, 0.2990,
0.4496

■ 17.1416, 0.2961,
0.5812

■ 19.7590, 0.3016,
0.4195

■ 17.0962, 0.2962,
0.5864

■ 20.6659, 0.3046,
0.3913

■ 21.7301, 0.3077,
0.3655

■ 22.9586, 0.3108,
0.3424

■ 24.3581, 0.3138,
0.3221

■ 25.9347, 0.3166,
0.3043

■ 27.6943, 0.3193,
0.2888

Harmonies

Analogous

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



17.9035, 0.3902, 0.5154



17.9035, 0.2953, 0.5111



17.9035, 0.2100, 0.4185

Triad

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



17.9035, 0.2953, 0.5111



17.9035, 0.1624, 0.1851



17.9035, 0.4943, 0.3172

Complementary

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



17.9035, 0.2953, 0.5111



8.3457, 0.3410, 0.1993

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.



17.9035, 0.4097, 0.2546



17.9035, 0.2953, 0.5111



17.9035, 0.2143, 0.1825

Square

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



17.9035, 0.2953, 0.5111



17.9035, 0.1438, 0.2209



17.9035, 0.3015, 0.2070



17.9035, 0.5143, 0.3865

Rectangle

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



17.9035, 0.2953, 0.5111



17.9035, 0.1709, 0.3374



17.9035, 0.3015, 0.2070



17.9035, 0.4720, 0.2953

Sweetspot

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



17.9042, 0.2953, 0.5111



37.5014, 0.3064, 0.3754



21.3884, 0.3861, 0.4846



8.3485, 0.3057, 0.3816



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.



17.9042, 0.2953, 0.5111



30.6538, 0.2948, 0.5524



18.5553, 0.2609, 0.4044



5.2143, 0.3100, 0.3483



16.0210, 0.2961, 0.5860



0.0561, 0.2820, 0.5351

Inverse Universe

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



8.3457, 0.3410, 0.1993



12.4671, 0.3486, 0.1826



7.4862, 0.4402, 0.2717



4.7523, 0.3156, 0.3104



5.9296, 0.3572, 0.1741



0.0213, 0.3374, 0.1633

Previews

White Background



This preview shows how the Yxy color 17.9035, 0.2953, 0.5111 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 17.9035, 0.2953, 0.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

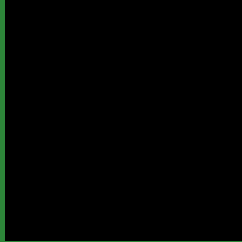
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9035, 0.2953, 0.5111

Background



This preview shows how black text looks on a background with the Yxy color 17.9035, 0.2953, 0.5111.



This preview shows how white text looks on a background with the Yxy color 17.9035, 0.2953, 0.5111.

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

17.9035, 0.2953, 0.5111

Protanopia

17.7163, 0.4075, 0.4460

Deuteranopia

17.5674, 0.4201, 0.4121



Tritanopia

17.8926, 0.2447, 0.3079

Trichromacy



Original Color

17.9035, 0.2953, 0.5111



Protanomaly

17.0849, 0.3573, 0.4734



Deuteranomaly

16.6564, 0.3642, 0.4492



Tritanomaly

17.6919, 0.2637, 0.3790

Monochromacy



Original Color

17.9035, 0.2953, 0.5111



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

13.8907, 0.3032, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9035, 0.2953, 0.5111 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, 134, 57)` looks like.

```
.text, #text, p{  
    color:rgb(45, 134, 57)  
}
```

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, 134, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 134, 57) }
```

Border

The CSS property to change the border of an element to Yxy 17.9035, 0.2953, 0.5111 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, 134, 57) }
```

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

```
.border{ border-color:rgb(45, 134, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 134, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 134, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 134, 57);  
box-shadow:4px 4px 4px 4px rgb(45, 134,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9035, 0.2953, 0.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 134, 57) }
```

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

```
.background{ background-color: rgb(45, 134,  
57) }
```

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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