

Converting Colors

$Yxy(28.9795, 0.3174, 0.5020)$

Have a look what the booklet for
Yxy(28.9795, 0.3174, 0.5020)
contains.

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Color

Yxy(29.0194, 0.3170, 0.5024)

Conversions

Conversions Part 1

Format	Color
Hex	57A446
RGB	87, 164, 70
RGB Percent	34%, 64%, 27%
CMY	0.6589, 0.3568, 0.7255
CMYK	0.47, 0.00, 0.57, 0.36
HSL	109°, 40%, 46%
HSV	109°, 57%, 64%
XYZ	18.3104, 29.0194, 10.4317
YIQ	130.2610, -15.7180, -45.5580

Conversions

Conversions Part 2

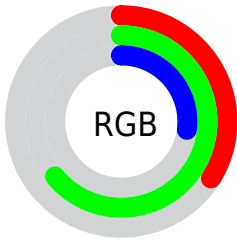
Format	Color
R_{YB}	70, 164, 147
Decimal	5743686
CIE _{Lab}	60.80, -42.26, 40.90
CIE _{LCh}	61, 58.805, 135.937
Yxy	29.0194, 0.3170, 0.5024
Android (android.graphics.Color)	4283933766 (0xFF57A446)
YUV	130.2610, -29.7087, -37.9399
Hunter-Lab	53.8697, -33.5994, 26.2274

Details

The Yxy color **29.0194, 0.3170, 0.5024** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.2681, 0.2957, 0.1875**, and the grayscale version is **22.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3177, 0.3197, 0.4638**, and **11.6594, 0.3071, 0.5709** is the 20% darker color. If you saturate the color by 10%, you get **28.2534, 0.3156, 0.5332**, and if you desaturate by 10%, it is **29.9649, 0.3176, 0.4693**.

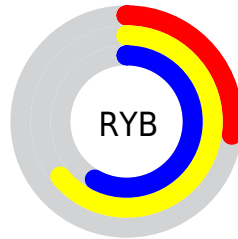
Distribution



Red (34%)

Green (64%)

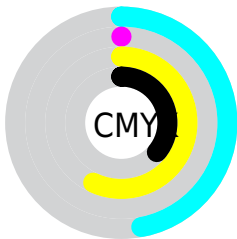
Blue (27%)



Red (27%)

Yellow (64%)

Blue (58%)

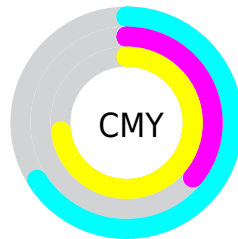


Cyan (47%)

Magenta (0%)

Yellow (57%)

Black (36%)



Cyan (66%)


Magenta (36%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0194, 0.3170, 0.5024 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 29.0194, 0.3170, 0.5024 by changing the saturation by 10% instead.


 29.0194, 0.3170,
0.5024


 29.0194, 0.3170,
0.5024


297.3065, 0.3196,
0.4033


 19.0955, 0.3136,
0.5312


 58.1079, 0.3196,
0.4633


 11.7393, 0.3070,
0.5703


 78.0413, 0.3201,
0.4495


 6.5664, 0.2936,
0.6252


 102.0800, 0.3202,
0.4383

 3.1925, 0.2729,
0.7271

 130.6083, 0.3202,
0.4289

 1.2330, 0.0783,
0.9217

 164.0108, 0.3201,
0.4210

 0.0884, 0.0000,
1.0000

202.6717, 0.3200,

 0.0000, 0.0000,

0.4142

0.0000

246.9755, 0.3198,
0.4084

■ 29.0194, 0.3170,
0.5024

■ 29.0194, 0.3170,
0.5024

■ 28.2534, 0.3156,
0.5332

■ 29.9649, 0.3176,
0.4693

■ 27.6517, 0.3133,
0.5595

■ 31.0965, 0.3174,
0.4360

■ 27.2028, 0.3102,
0.5794

■ 32.4250, 0.3166,
0.4039

■ 26.8897, 0.3069,
0.5922

■ 33.9593, 0.3154,
0.3741

■ 26.8232, 0.3062,
0.5951

■ 35.7078, 0.3139,
0.3470

■ 37.6783, 0.3123,
0.3228

■ 39.8784, 0.3106,
0.3014

■ 42.3150, 0.3088,
0.2827

■ 44.9951, 0.3072,
0.2664

Harmonies

Analogous

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



29.0194, 0.4044, 0.4943



29.0194, 0.3170, 0.5024



29.0194, 0.2331, 0.4325

Triad

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



29.0194, 0.3170, 0.5024



29.0194, 0.1658, 0.1991



29.0194, 0.4676, 0.3065

Complementary

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



29.0194, 0.3170, 0.5024



13.2681, 0.2957, 0.1875

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.



29.0194, 0.3817, 0.2492



29.0194, 0.3170, 0.5024



29.0194, 0.2084, 0.1901

Square

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



29.0194, 0.3170, 0.5024



29.0194, 0.1546, 0.2416



29.0194, 0.2837, 0.2081



29.0194, 0.5008, 0.3715

Rectangle

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



29.0194, 0.3170, 0.5024



29.0194, 0.1911, 0.3602



29.0194, 0.2837, 0.2081



29.0194, 0.4432, 0.2862

Sweetspot

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



29.0206, 0.3170, 0.5024



61.6352, 0.3154, 0.3741



29.1323, 0.4066, 0.4417



13.3540, 0.3156, 0.3795



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.0206, 0.3170, 0.5024



50.9244, 0.3150, 0.5416



28.7711, 0.2851, 0.4534



7.9537, 0.3142, 0.3520



20.5808, 0.3066, 0.5947



0.4486, 0.3276, 0.5781

Inverse Universe

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



13.2681, 0.2957, 0.1875



19.4383, 0.2899, 0.1622



14.0026, 0.3636, 0.2333



7.1372, 0.3110, 0.3067



5.9844, 0.2764, 0.1297



0.1416, 0.2936, 0.1391

Previews

White Background



This preview shows how the Yxy color 29.0194, 0.3170, 0.5024 looks on a white 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

Black Background



This preview shows how the Yxy color 29.0194, 0.3170, 0.5024 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 29.0194, 0.3170, 0.5024

Background



This preview shows how black text looks on a background with the Yxy color 29.0194, 0.3170, 0.5024.



This preview shows how white text looks on a background with the Yxy color 29.0194, 0.3170, 0.5024.

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

29.0194, 0.3170, 0.5024

Protanopia

28.6093, 0.4097, 0.4491

Deuteranopia

28.5848, 0.4242, 0.4158



Tritanopia

28.8676, 0.2595, 0.3087

Trichromacy



Original Color

29.0194, 0.3170, 0.5024

Protanomaly

28.3267, 0.3719, 0.4710

Deuteranomaly

27.7852, 0.3816, 0.4477

Tritanomaly

28.6891, 0.2813, 0.3778

Monochromacy



Original Color

29.0194, 0.3170, 0.5024

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.0061, 0.3160, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0194, 0.3170, 0.5024 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(87, 164, 70)` looks like.

```
.text, #text, p{  
    color:rgb(87, 164, 70)  
}
```

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(87, 164, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 164, 70) }
```

Border

The CSS property to change the border of an element to Yxy 29.0194, 0.3170, 0.5024 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(87, 164, 70) }
```

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

```
.border{ border-color:rgb(87, 164, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 164, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 164, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 164, 70);  
box-shadow:4px 4px 4px 4px rgb(87, 164,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0194, 0.3170, 0.5024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 164, 70) }
```

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

```
.background{ background-color: rgb(87, 164,  
70) }
```

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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