

Converting Colors

$Y_{xy}(29.1878, 0.3253, 0.5392)$

Have a look what the booklet for
Yxy(29.1878, 0.3253, 0.5392)
contains.

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Color

$\text{Yxy}(29.2635, 0.3250, 0.5401)$

Conversions

Conversions Part 1

Format	Color
Hex	52A62E
RGB	82, 166, 46
RGB Percent	32%, 65%, 18%
CMY	0.6785, 0.3490, 0.8194
CMYK	0.51, 0.00, 0.72, 0.35
HSL	102°, 57%, 42%
HSV	102°, 72%, 65%
XYZ	17.6090, 29.2635, 7.3091
YIQ	127.2040, -11.5440, -55.1280

Conversions

Conversions Part 2

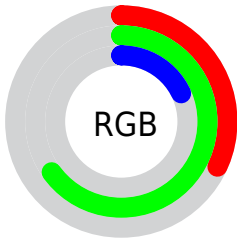
Format	Color
RYB	46, 166, 130
Decimal	5416494
CIELab	61.01, -46.92, 51.50
CIElCh	61, 69.666, 132.334
Yxy	29.2635, 0.3250, 0.5401
Android (android.graphics.Color)	4283606574 (0xFF52A62E)
YUV	127.2040, -40.0336, -39.6439
Hunter-Lab	54.0957, -36.5630, 29.8561

Details

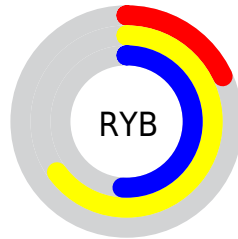
The Yxy color **29.2635, 0.3250, 0.5401** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.4609, 0.2687, 0.1489**, and the grayscale version is **21.4419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6324, 0.3287, 0.4939**, and **11.9036, 0.3048, 0.5962** is the 20% darker color. If you saturate the color by 10%, you get **28.6803, 0.3222, 0.5628**, and if you desaturate by 10%, it is **29.9881, 0.3264, 0.5124**.

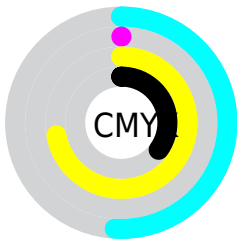
Distribution



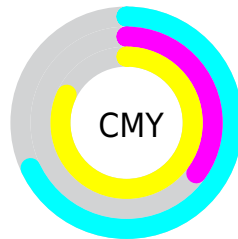
- Red (32%)
- Green (65%)
- Blue (18%)



- Red (18%)
- Yellow (65%)
- Blue (51%)



- Cyan (51%)
- Magenta (0%)
- Yellow (72%)
- Black (35%)





- Cyan (68%)
- Magenta (35%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2635, 0.3250, 0.5401 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 29.2635, 0.3250, 0.5401 by changing the saturation by 10% instead.


 29.2635, 0.3250,
0.5401


 29.2635, 0.3250,
0.5401


298.4562, 0.3263,
0.4203

 19.2802, 0.3202,
0.5734


 58.4955, 0.3283,
0.4936

 11.8730, 0.3106,
0.6169


 78.5130, 0.3286,
0.4769


 6.6572, 0.2971,
0.6887


 102.6440, 0.3285,
0.4632

 3.2487, 0.2506,
0.7494

 131.2730, 0.3282,
0.4518

 1.2629, 0.0106,
0.9894

 164.7843, 0.3278,
0.4421

 0.1122, 0.0000,
1.0000

 203.5624, 0.3273,

 0.0000, 0.0000,

0.4338

0.0000

247.9915, 0.3268,
0.4266

■ 29.2635, 0.3250,
0.5401

■ 29.2635, 0.3250,
0.5401

■ 28.6803, 0.3222,
0.5628

■ 29.9881, 0.3264,
0.5124

■ 28.2242, 0.3180,
0.5792

■ 30.8598, 0.3264,
0.4817

■ 27.9454, 0.3146,
0.5884

■ 31.8882, 0.3252,
0.4497

■ 33.0811, 0.3230,
0.4180

■ 34.4458, 0.3202,
0.3878

■ 35.9889, 0.3169,
0.3598

■ 37.7169, 0.3135,
0.3344

■ 39.6358, 0.3100,
0.3116

■ 41.7514, 0.3066,
0.2913

Harmonies

Analogous

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



29.2635, 0.4238, 0.5117



29.2635, 0.3250, 0.5401



29.2635, 0.2281, 0.4686

Triad

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



29.2635, 0.3250, 0.5401



29.2635, 0.1430, 0.1833



29.2635, 0.4855, 0.2919

Complementary

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



29.2635, 0.3250, 0.5401



9.4609, 0.2687, 0.1489

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.



29.2635, 0.3785, 0.2305



29.2635, 0.3250, 0.5401



29.2635, 0.1853, 0.1709

Square

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



29.2635, 0.3250, 0.5401



29.2635, 0.1342, 0.2341



29.2635, 0.2654, 0.1878



29.2635, 0.5309, 0.3624

Rectangle

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



29.2635, 0.3250, 0.5401



29.2635, 0.1784, 0.3803



29.2635, 0.2654, 0.1878



29.2635, 0.4544, 0.2700

Sweetspot

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



29.2647, 0.3250, 0.5401



62.4747, 0.3202, 0.3882



24.2743, 0.4443, 0.4456



13.8305, 0.3210, 0.3959



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.2647, 0.3250, 0.5401



51.4982, 0.3197, 0.5740



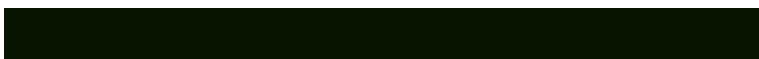
28.2982, 0.2907, 0.5183



8.5126, 0.3159, 0.3520



21.6910, 0.3152, 0.5880



0.5540, 0.3416, 0.5670

Inverse Universe

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



9.4609, 0.2687, 0.1489



13.3342, 0.2557, 0.1242



12.0181, 0.3575, 0.1990



7.5521, 0.3092, 0.3064



5.0529, 0.2476, 0.1137



0.1476, 0.2730, 0.1277

Previews

White Background



This preview shows how the Yxy color 29.2635, 0.3250, 0.5401 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 29.2635, 0.3250, 0.5401 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 29.2635, 0.3250, 0.5401

Background



This preview shows how black text looks on a background with the Yxy color 29.2635, 0.3250, 0.5401.



This preview shows how white text looks on a background with the Yxy color 29.2635, 0.3250, 0.5401.

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

29.2635, 0.3250, 0.5401

Protanopia

28.9200, 0.4260, 0.4713

Deuteranopia

28.6958, 0.4452, 0.4370



Tritanopia

29.1163, 0.2576, 0.3087

Trichromacy



Original Color

29.2635, 0.3250, 0.5401



Protanomaly

28.3540, 0.3843, 0.4993



Deuteranomaly

27.8538, 0.3971, 0.4763



Tritanomaly

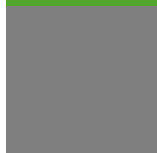
28.6592, 0.2853, 0.3951

Monochromacy



Original Color

29.2635, 0.3250, 0.5401



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.3111, 0.3226, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2635, 0.3250, 0.5401 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(82, 166, 46)` looks like.

```
.text, #text, p{  
    color:rgb(82, 166, 46)  
}
```

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(82, 166, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 166, 46) }
```

Border

The CSS property to change the border of an element to Yxy 29.2635, 0.3250, 0.5401 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(82, 166, 46) }
```

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

```
.border{ border-color:rgb(82, 166, 46) }
```

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

Here you see how a box with a 4 pixel rgb(82, 166, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 166, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 166, 46);  
box-shadow:4px 4px 4px 4px rgb(82, 166,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2635, 0.3250, 0.5401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 166, 46) }
```

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

```
.background{ background-color: rgb(82, 166,  
46) }
```

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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