

Converting Colors

$Y_{xy}(46.7071, 0.3160, 0.5593)$

Have a look what the booklet for
Yxy(46.7071, 0.3160, 0.5593)
contains.

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Color

Yxy(46.6329, 0.3158, 0.5594)

Conversions

Conversions Part 1

Format	Color
Hex	52CF30
RGB	82, 207, 48
RGB Percent	32%, 81%, 19%
CMY	0.6784, 0.1882, 0.8120
CMYK	0.60, 0.00, 0.77, 0.19
HSL	107°, 62%, 50%
HSV	107°, 77%, 81%
XYZ	26.3258, 46.6329, 10.4036
YIQ	151.4990, -23.4610, -75.9490

Conversions

Conversions Part 2

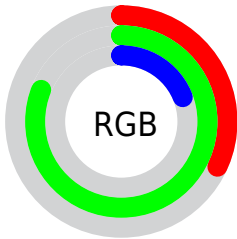
Format	Color
RYB	48, 207, 173
Decimal	5426992
CIELab	73.95, -61.81, 63.66
CIELCh	74, 88.730, 134.155
Yxy	46.6329, 0.3158, 0.5594
Android (android.graphics.Color)	4283617072 (0xFF52CF30)
YUV	151.4990, -51.0250, -60.9506
Hunter-Lab	68.2883, -50.6909, 38.7691

Details

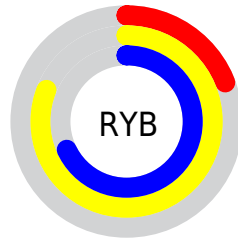
The Yxy color **46.6329, 0.3158, 0.5594** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **15.4924, 0.2800, 0.1469**, and the grayscale version is **31.4035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4899, 0.3227, 0.5080**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.8572, 0.3124, 0.5790**, and if you desaturate by 10%, it is **47.6651, 0.3182, 0.5333**.

Distribution



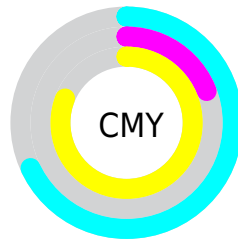
- Red (32%)
- Green (81%)
- Blue (19%)



- Red (19%)
- Yellow (81%)
- Blue (68%)



- Cyan (60%)
- Magenta (0%)
- Yellow (77%)
- Black (19%)



- Cyan (68%)
- Magenta (19%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6329, 0.3158, 0.5594 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 46.6329, 0.3158, 0.5594 by changing the saturation by 10% instead.


 46.6329, 0.3158,
0.5594

 46.6329, 0.3158,
0.5594


 373.3473, 0.3239,
0.4371

 32.7455, 0.3099,
0.5900


 85.1654, 0.3215,
0.5144

 21.9316, 0.3000,
0.6281


 110.5793, 0.3228,
0.4976

 13.8066, 0.2828,
0.6757


 140.6042, 0.3235,
0.4834

 7.9863, 0.2562,
0.7438

 175.6245, 0.3239,
0.4713

 4.0862, 0.2003,
0.7997

 216.0246, 0.3241,
0.4610

 1.7219, 0.0000,
1.0000

 262.1888, 0.3241,

 0.4378, 0.0000,

0.4520

1.0000

314.5016, 0.3240,
0.4441

■ 0.0000, 0.0000,
0.0000

■ 46.6329, 0.3158,
0.5594

■ 46.6329, 0.3158,
0.5594

■ 45.8572, 0.3124,
0.5790

■ 47.6651, 0.3182,
0.5333

■ 45.3068, 0.3085,
0.5912

■ 48.9688, 0.3196,
0.5025

■ 45.1704, 0.3074,
0.5942

■ 50.5648, 0.3199,
0.4693

■ 52.4700, 0.3193,
0.4358

■ 54.6999, 0.3180,
0.4035

■ 57.2691, 0.3163,
0.3734

■ 60.1912, 0.3142,
0.3460

■ 63.4790, 0.3120,
0.3216

■ 67.1448, 0.3098,
0.3000

Harmonies

Analogous

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



46.6329, 0.4218, 0.5275



46.6329, 0.3158, 0.5594



46.6329, 0.2142, 0.4751

Triad

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



46.6329, 0.3158, 0.5594



46.6329, 0.1341, 0.1712



46.6329, 0.5060, 0.2918

Complementary

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



46.6329, 0.3158, 0.5594



15.4924, 0.2800, 0.1469

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.



46.6329, 0.3916, 0.2268



46.6329, 0.3158, 0.5594



46.6329, 0.1802, 0.1610

Square

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



46.6329, 0.3158, 0.5594



46.6329, 0.1224, 0.2206



46.6329, 0.2676, 0.1806



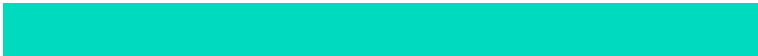
46.6329, 0.5480, 0.3654

Rectangle

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



46.6329, 0.3158, 0.5594



46.6329, 0.1638, 0.3750



46.6329, 0.2676, 0.1806



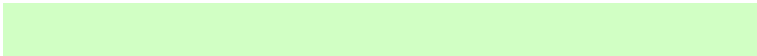
46.6329, 0.4734, 0.2688

Sweetspot

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



46.6349, 0.3158, 0.5594



89.0637, 0.3174, 0.3925



43.1907, 0.4409, 0.4631



18.7552, 0.3180, 0.4038



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.6349, 0.3158, 0.5594



72.8980, 0.3100, 0.5875



46.0452, 0.2851, 0.5147



13.3265, 0.3148, 0.3528



28.4920, 0.3081, 0.5936



1.6285, 0.3208, 0.5835

Inverse Universe

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



15.4924, 0.2800, 0.1469



20.6794, 0.2707, 0.1289



17.9821, 0.3821, 0.2063



11.8760, 0.3104, 0.3059



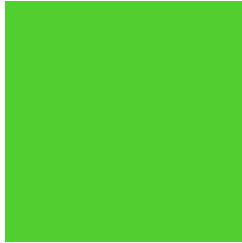
7.7646, 0.2676, 0.1248



0.4668, 0.2779, 0.1304

Previews

White Background



This preview shows how the Yxy color 46.6329, 0.3158, 0.5594 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 46.6329, 0.3158, 0.5594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

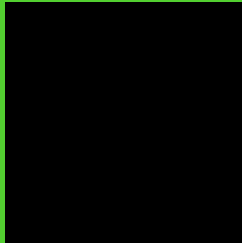
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6329, 0.3158, 0.5594

Background



This preview shows how black text looks on a background with the Yxy color 46.6329, 0.3158, 0.5594.



This preview shows how white text looks on a background with the Yxy color 46.6329, 0.3158, 0.5594.

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

46.6329, 0.3158, 0.5594

Protanopia

45.9044, 0.4318, 0.4771

Deuteranopia

45.4923, 0.4514, 0.4415



Tritanopia

46.3388, 0.2493, 0.3079

Trichromacy



Original Color

46.6329, 0.3158, 0.5594



Protanomaly

44.3797, 0.3823, 0.5116



Deuteranomaly

43.4707, 0.3941, 0.4876



Tritanomaly

45.4737, 0.2775, 0.4033

Monochromacy



Original Color

46.6329, 0.3158, 0.5594



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.7763, 0.3187, 0.4229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6329, 0.3158, 0.5594 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, 207, 48)` looks like.

```
.text, #text, p{  
    color:rgb(82, 207, 48)  
}
```

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, 207, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 207, 48) }
```

Border

The CSS property to change the border of an element to Yxy 46.6329, 0.3158, 0.5594 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, 207, 48) }
```

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

```
.border{ border-color:rgb(82, 207, 48) }
```

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

Here you see how a box with a 4 pixel rgb(82, 207, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 207, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 207, 48);  
box-shadow:4px 4px 4px 4px rgb(82, 207,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6329, 0.3158, 0.5594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 207, 48) }
```

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

```
.background{ background-color: rgb(82, 207,  
48) }
```

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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