

Converting Colors

$Y_{xy}(21.9603, 0.3132, 0.5111)$

Have a look what the booklet for
 $Y_{xy}(21.9603, 0.3132, 0.5111)$
contains.

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Color

Yxy(21.8584, 0.3135, 0.5108)

Conversions

Conversions Part 1

Format	Color
Hex	46913A
RGB	70, 145, 58
RGB Percent	27%, 57%, 23%
CMY	0.7255, 0.4314, 0.7724
CMYK	0.52, 0.00, 0.60, 0.43
HSL	112°, 43%, 40%
HSV	112°, 60%, 57%
XYZ	13.4154, 21.8584, 7.5186
YIQ	112.6570, -16.7730, -42.9570

Conversions

Conversions Part 2

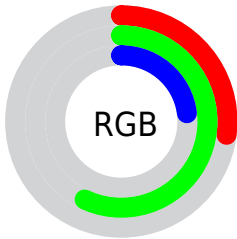
Format	Color
RYB	58, 145, 133
Decimal	4624698
CIELab	53.88, -40.86, 38.42
CIELCh	54, 56.090, 136.760
Yxy	21.8584, 0.3135, 0.5108
Android (android.graphics.Color)	4282814778 (0xFF46913A)
YUV	112.6570, -26.9459, -37.4102
Hunter-Lab	46.7530, -30.5983, 23.1923

Details

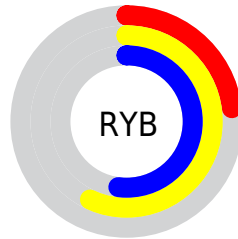
The Yxy color **21.8584, 0.3135, 0.5108** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.0627, 0.3006, 0.1855**, and the grayscale version is **16.4928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6763, 0.3171, 0.4673**, and **8.0293, 0.2990, 0.5920** is the 20% darker color. If you saturate the color by 10%, you get **21.3143, 0.3118, 0.5409**, and if you desaturate by 10%, it is **22.5428, 0.3145, 0.4779**.

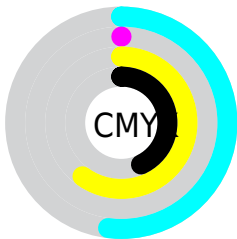
Distribution



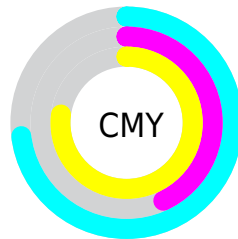
- Red (27%)
- Green (57%)
- Blue (23%)



- Red (23%)
- Yellow (57%)
- Blue (52%)



- Cyan (52%)
- Magenta (0%)
- Yellow (60%)
- Black (43%)





- Cyan (73%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8584, 0.3135, 0.5108 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 21.8584, 0.3135, 0.5108 by changing the saturation by 10% instead.


 21.8584, 0.3135,
0.5108


 21.8584, 0.3135,
0.5108


261.8059, 0.3184,
0.4024


 13.7529, 0.3087,
0.5446


 46.5119, 0.3174,
0.4665

 7.9490, 0.2989,
0.5920


 63.8286, 0.3181,
0.4514


 4.0623, 0.2867,
0.6811

 84.9845, 0.3185,
0.4392


 1.7085, 0.2131,
0.7869

 110.3640, 0.3186,
0.4292

 0.4291, 0.0000,
1.0000

 140.3515, 0.3187,
0.4208

 0.0000, 0.0000,
0.0000

 175.3314, 0.3186,

0.4137

215.6881, 0.3185,
0.4077

■ 21.8584, 0.3135,
0.5108

■ 21.8584, 0.3135,
0.5108

■ 21.3143, 0.3118,
0.5409

■ 22.5428, 0.3145,
0.4779

■ 20.8980, 0.3096,
0.5660

■ 23.3734, 0.3150,
0.4443

■ 20.5995, 0.3069,
0.5842

■ 24.3592, 0.3149,
0.4118

■ 20.4000, 0.3045,
0.5964

■ 25.5075, 0.3144,
0.3814

■ 20.3997, 0.3045,
0.5965

■ 26.8252, 0.3136,
0.3537

■ 28.3189, 0.3127,
0.3290

■ 29.9948, 0.3117,
0.3071

■ 31.8587, 0.3106,
0.2880

■ 33.9163, 0.3095,
0.2714

Harmonies

Analogous

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



21.8584, 0.4046, 0.5023



21.8584, 0.3135, 0.5108



21.8584, 0.2270, 0.4352

Triad

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



21.8584, 0.3135, 0.5108



21.8584, 0.1611, 0.1932



21.8584, 0.4768, 0.3066

Complementary

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



21.8584, 0.3135, 0.5108



10.0627, 0.3006, 0.1855

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.



21.8584, 0.3876, 0.2474



21.8584, 0.3135, 0.5108



21.8584, 0.2058, 0.1851

Square

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



21.8584, 0.3135, 0.5108



21.8584, 0.1486, 0.2355



21.8584, 0.2847, 0.2045



21.8584, 0.5090, 0.3736

Rectangle

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



21.8584, 0.3135, 0.5108



21.8584, 0.1843, 0.3581



21.8584, 0.2847, 0.2045



21.8584, 0.4517, 0.2857

Sweetspot

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



21.8593, 0.3135, 0.5108



46.0367, 0.3143, 0.3767



22.8164, 0.4070, 0.4489



10.1117, 0.3145, 0.3844



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.8593, 0.3135, 0.5108



37.8817, 0.3111, 0.5504



21.8643, 0.2824, 0.4522



6.0628, 0.3136, 0.3516



17.5043, 0.3047, 0.5963



0.1729, 0.3235, 0.5813

Inverse Universe

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



10.0627, 0.3006, 0.1855



14.7385, 0.2962, 0.1617



10.2768, 0.3717, 0.2349



5.4739, 0.3117, 0.3072



5.5043, 0.2873, 0.1356



0.0593, 0.3048, 0.1453

Previews

White Background



This preview shows how the Yxy color 21.8584, 0.3135, 0.5108 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 21.8584, 0.3135, 0.5108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

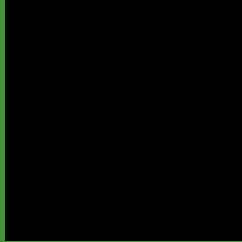
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8584, 0.3135, 0.5108

Background



This preview shows how black text looks on a background with the Yxy color 21.8584, 0.3135, 0.5108.



This preview shows how white text looks on a background with the Yxy color 21.8584, 0.3135, 0.5108.

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

21.8584, 0.3135, 0.5108

Protanopia

21.5350, 0.4127, 0.4514

Deuteranopia

21.4688, 0.4255, 0.4186



Tritanopia

21.7896, 0.2558, 0.3080

Trichromacy



Original Color

21.8584, 0.3135, 0.5108

Protanomaly

21.0390, 0.3709, 0.4753

Deuteranomaly

20.6730, 0.3794, 0.4532

Tritanomaly

21.4524, 0.2772, 0.3783

Monochromacy



Original Color

21.8584, 0.3135, 0.5108

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.9989, 0.3142, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8584, 0.3135, 0.5108 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(70, 145, 58)` looks like.

```
.text, #text, p{  
    color:rgb(70, 145, 58)  
}
```

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(70, 145, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 145, 58) }
```

Border

The CSS property to change the border of an element to Yxy 21.8584, 0.3135, 0.5108 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(70, 145, 58) }
```

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

```
.border{ border-color:rgb(70, 145, 58) }
```

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

Here you see how a box with a 4 pixel rgb(70, 145, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 145, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 145, 58);  
box-shadow:4px 4px 4px 4px rgb(70, 145,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8584, 0.3135, 0.5108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 145, 58) }
```

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

```
.background{ background-color: rgb(70, 145,  
58) }
```

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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