

Converting Colors

$Y_{xy}(21.9111, 0.3068, 0.5401)$

Have a look what the booklet for
Yxy(21.9111, 0.3068, 0.5401)
contains.

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Color

Yxy(21.8296, 0.3066, 0.5391)

Conversions

Conversions Part 1

Format	Color
Hex	35932F
RGB	53, 147, 47
RGB Percent	21%, 58%, 18%
CMY	0.7921, 0.4235, 0.8157
CMYK	0.64, 0.00, 0.68, 0.42
HSL	116°, 52%, 38%
HSV	116°, 68%, 58%
XYZ	12.4151, 21.8296, 6.2480
YIQ	107.4940, -23.9240, -51.0280

Conversions

Conversions Part 2

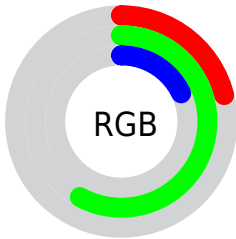
Format	Color
R_{YB}	47, 147, 141
Decimal	3511087
CIE _{Lab}	53.85, -47.37, 43.28
CIE _{LCh}	54, 64.164, 137.581
Yxy	21.8296, 0.3066, 0.5391
Android (android.graphics.Color)	4281701167 (0xFF35932F)
YUV	107.4940, -29.8235, -47.7912
Hunter-Lab	46.7222, -34.3326, 24.7768

Details

The Yxy color **21.8296, 0.3066, 0.5391** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.8022, 0.3102, 0.1761**, and the grayscale version is **14.9378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5024, 0.3134, 0.4878**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.4092, 0.3048, 0.5654**, and if you desaturate by 10%, it is **22.3998, 0.3082, 0.5077**.

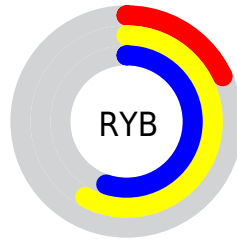
Distribution



Red (21%)

Green (58%)

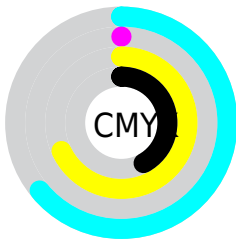
Blue (18%)



Red (18%)

Yellow (58%)

Blue (55%)

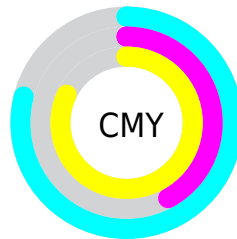


Cyan (64%)

Magenta (0%)

Yellow (68%)

Black (42%)



Cyan (79%)


Magenta (42%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8296, 0.3066, 0.5391 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 21.8296, 0.3066, 0.5391 by changing the saturation by 10% instead.


 21.8296, 0.3066,
0.5391

 21.8296, 0.3066,
0.5391


261.6551, 0.3172,
0.4133


 13.7317, 0.2989,
0.5780


 46.4642, 0.3135,
0.4878

 7.9343, 0.2843,
0.6315


 63.7697, 0.3150,
0.4702


 4.0530, 0.2653,
0.7347

 84.9133, 0.3160,
0.4561

 1.7032, 0.1500,
0.8500

 110.2793, 0.3165,
0.4444

 0.4257, 0.0000,
1.0000

 140.2520, 0.3169,
0.4347

 0.0000, 0.0000,
0.0000

 175.2160, 0.3171,

0.4264

215.5556, 0.3172,
0.4194

■ 21.8296, 0.3066,
0.5391

■ 21.8296, 0.3066,
0.5391

■ 21.4092, 0.3048,
0.5654

■ 22.3998, 0.3082,
0.5077

■ 21.1221, 0.3031,
0.5847

■ 23.1291, 0.3096,
0.4737

■ 20.9496, 0.3017,
0.5966

■ 24.0292, 0.3107,
0.4394

■ 20.9253, 0.3017,
0.5987

■ 25.1101, 0.3115,
0.4065

■ 26.3808, 0.3121,
0.3761

■ 27.8499, 0.3125,
0.3487

■ 29.5252, 0.3127,
0.3245

■ 31.4145, 0.3128,
0.3033

■ 33.5249, 0.3128,
0.2849

Harmonies

Analogous

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



21.8296, 0.4080, 0.5241



21.8296, 0.3066, 0.5391



21.8296, 0.2118, 0.4489

Triad

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



21.8296, 0.3066, 0.5391



21.8296, 0.1461, 0.1769



21.8296, 0.5019, 0.3032

Complementary

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



21.8296, 0.3066, 0.5391



9.8022, 0.3102, 0.1761

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.



21.8296, 0.4006, 0.2390



21.8296, 0.3066, 0.5391



21.8296, 0.1949, 0.1701

Square

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



21.8296, 0.3066, 0.5391



21.8296, 0.1314, 0.2202



21.8296, 0.2829, 0.1920



21.8296, 0.5336, 0.3752

Rectangle

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



21.8296, 0.3066, 0.5391



21.8296, 0.1665, 0.3570



21.8296, 0.2829, 0.1920



21.8296, 0.4739, 0.2806

Sweetspot

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



21.8305, 0.3066, 0.5391



46.6686, 0.3120, 0.3831



25.2630, 0.4096, 0.4709



10.5180, 0.3119, 0.3908



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.8305, 0.3066, 0.5391



38.0207, 0.3038, 0.5773



22.2165, 0.2748, 0.4533



6.4841, 0.3125, 0.3518



18.1443, 0.3018, 0.5986



0.2254, 0.3107, 0.5915

Inverse Universe

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



9.8022, 0.3102, 0.1761



14.8660, 0.3084, 0.1567



9.2290, 0.4010, 0.2383



5.8917, 0.3128, 0.3071



6.5274, 0.3063, 0.1461



0.0842, 0.3141, 0.1504

Previews

White Background



This preview shows how the Yxy color 21.8296, 0.3066, 0.5391 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 21.8296, 0.3066, 0.5391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

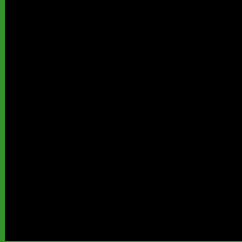
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8296, 0.3066, 0.5391

Background



This preview shows how black text looks on a background with the Yxy color 21.8296, 0.3066, 0.5391.



This preview shows how white text looks on a background with the Yxy color 21.8296, 0.3066, 0.5391.

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

21.8296, 0.3066, 0.5391

Protanopia

21.4451, 0.4212, 0.4640

Deuteranopia

21.4737, 0.4356, 0.4296



Tritanopia

21.6072, 0.2471, 0.3077

Trichromacy



Original Color

21.8296, 0.3066, 0.5391

Protanomaly

20.8248, 0.3706, 0.4963

Deuteranomaly

20.4827, 0.3799, 0.4715

Tritanomaly

21.4264, 0.2707, 0.3924

Monochromacy



Original Color

21.8296, 0.3066, 0.5391

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.6012, 0.3111, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8296, 0.3066, 0.5391 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(53, 147, 47)` looks like.

```
.text, #text, p{  
    color:rgb(53, 147, 47)  
}
```

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(53, 147, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 147, 47) }
```

Border

The CSS property to change the border of an element to Yxy 21.8296, 0.3066, 0.5391 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(53, 147, 47) }
```

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

```
.border{ border-color:rgb(53, 147, 47) }
```

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

Here you see how a box with a 4 pixel rgb(53, 147, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 147, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 147, 47);  
box-shadow:4px 4px 4px 4px rgb(53, 147,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8296, 0.3066, 0.5391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 147, 47) }
```

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

```
.background{ background-color: rgb(53, 147,  
47) }
```

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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