

Converting Colors

$Yxy(20.1743, 0.3093, 0.5384)$

Have a look what the booklet for
Yxy(20.1743, 0.3093, 0.5384)
contains.

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Color

Yxy(20.3121, 0.3094, 0.5395)

Conversions

Conversions Part 1

Format	Color
Hex	368E2C
RGB	54, 142, 44
RGB Percent	21%, 56%, 17%
CMY	0.7882, 0.4431, 0.8275
CMYK	0.62, 0.00, 0.69, 0.44
HSL	114°, 53%, 36%
HSV	114°, 69%, 56%
XYZ	11.6489, 20.3121, 5.6889
YIQ	104.5160, -20.9900, -49.1340

Conversions

Conversions Part 2

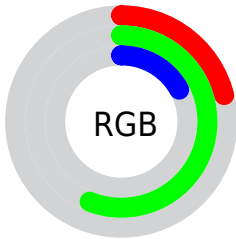
Format	Color
R_{YB}	44, 142, 132
Decimal	3575340
CIE Lab	52.19, -45.55, 42.80
CIE LCh	52, 62.503, 136.786
Yxy	20.3121, 0.3094, 0.5395
Android (android.graphics.Color)	4281765420 (0xFF368E2C)
YUV	104.5160, -29.8344, -44.3025
Hunter-Lab	45.0689, -32.7342, 24.0643

Details

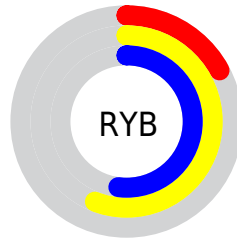
The Yxy color **20.3121, 0.3094, 0.5395** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.6596, 0.3035, 0.1718**, and the grayscale version is **14.0756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1382, 0.3157, 0.4874**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.9161, 0.3074, 0.5653**, and if you desaturate by 10%, it is **20.8389, 0.3110, 0.5088**.

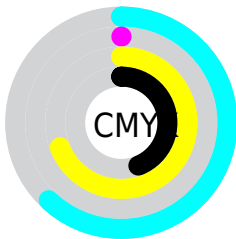
Distribution



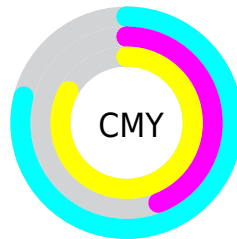
- Red (21%)
- Green (56%)
- Blue (17%)



- Red (17%)
- Yellow (56%)
- Blue (52%)



- Cyan (62%)
- Magenta (0%)
- Yellow (69%)
- Black (44%)





- Cyan (79%)
- Magenta (44%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3121, 0.3094, 0.5395 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 20.3121, 0.3094, 0.5395 by changing the saturation by 10% instead.


 20.3121, 0.3094,
0.5395


 20.3121, 0.3094,
0.5395


253.5997, 0.3185,
0.4124


 12.6221, 0.3018,
0.5793


 43.9398, 0.3158,
0.4873

 7.1689, 0.2869,
0.6345


 60.6464, 0.3172,
0.4696


 3.5679, 0.2645,
0.7355

 81.1272, 0.3179,
0.4553

 1.4349, 0.1062,
0.8938

 105.7667, 0.3183,
0.4436

 0.2423, 0.0000,
1.0000

 134.9493, 0.3185,
0.4338

 0.0000, 0.0000,
0.0000

 169.0595, 0.3186,

0.4256

208.4814, 0.3186,
0.4185

■ 20.3121, 0.3094,
0.5395

■ 20.3121, 0.3094,
0.5395

■ 19.9161, 0.3074,
0.5653

■ 20.8389, 0.3110,
0.5088

■ 19.6370, 0.3051,
0.5841

■ 21.5038, 0.3122,
0.4754

■ 19.4579, 0.3032,
0.5964

■ 22.3168, 0.3130,
0.4416

■ 19.4442, 0.3031,
0.5976

■ 23.2860, 0.3133,
0.4090

■ 24.4190, 0.3133,
0.3786

■ 25.7230, 0.3131,
0.3512

■ 27.2046, 0.3127,
0.3267

■ 28.8703, 0.3122,
0.3053

■ 30.7259, 0.3116,
0.2865

Harmonies

Analogous

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



20.3121, 0.4104, 0.5223



20.3121, 0.3094, 0.5395



20.3121, 0.2142, 0.4521

Triad

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



20.3121, 0.3094, 0.5395



20.3121, 0.1455, 0.1778



20.3121, 0.4995, 0.3014

Complementary

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



20.3121, 0.3094, 0.5395



8.6596, 0.3035, 0.1718

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.



20.3121, 0.3973, 0.2377



20.3121, 0.3094, 0.5395



20.3121, 0.1934, 0.1701

Square

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



20.3121, 0.3094, 0.5395



20.3121, 0.1317, 0.2222



20.3121, 0.2801, 0.1913



20.3121, 0.5334, 0.3732

Rectangle

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



20.3121, 0.3094, 0.5395



20.3121, 0.1682, 0.3605



20.3121, 0.2801, 0.1913



20.3121, 0.4711, 0.2789

Sweetspot

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



20.3130, 0.3094, 0.5395



42.5484, 0.3133, 0.3857



22.0498, 0.4157, 0.4660



9.3944, 0.3133, 0.3929



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.3130, 0.3094, 0.5395



34.8139, 0.3061, 0.5770



20.4848, 0.2783, 0.4665



6.0541, 0.3131, 0.3516



17.4616, 0.3032, 0.5974



0.1711, 0.3178, 0.5859

Inverse Universe

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



8.6596, 0.3035, 0.1718



12.7647, 0.2997, 0.1514



8.5605, 0.3915, 0.2299



5.4835, 0.3122, 0.3072



5.8441, 0.2960, 0.1404



0.0611, 0.3091, 0.1477

Previews

White Background



This preview shows how the Yxy color 20.3121, 0.3094, 0.5395 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 20.3121, 0.3094, 0.5395 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 20.3121, 0.3094, 0.5395

Background



This preview shows how black text looks on a background with the Yxy color 20.3121, 0.3094, 0.5395.



This preview shows how white text looks on a background with the Yxy color 20.3121, 0.3094, 0.5395.

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

20.3121, 0.3094, 0.5395

Protanopia

20.0508, 0.4228, 0.4652

Deuteranopia

20.0748, 0.4388, 0.4313



Tritanopia

20.3360, 0.2494, 0.3091

Trichromacy



Original Color

20.3121, 0.3094, 0.5395

Protanomaly

19.5808, 0.3733, 0.4972

Deuteranomaly

19.2520, 0.3840, 0.4734

Tritanomaly

19.9351, 0.2735, 0.3919

Monochromacy



Original Color

20.3121, 0.3094, 0.5395

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.5598, 0.3126, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3121, 0.3094, 0.5395 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(54, 142, 44)` looks like.

```
.text, #text, p{  
    color:rgb(54, 142, 44)  
}
```

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(54, 142, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 142, 44) }
```

Border

The CSS property to change the border of an element to Yxy 20.3121, 0.3094, 0.5395 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(54, 142, 44) }
```

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

```
.border{ border-color:rgb(54, 142, 44) }
```

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

Here you see how a box with a 4 pixel rgb(54, 142, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 142, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 142, 44);  
box-shadow:4px 4px 4px 4px rgb(54, 142,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3121, 0.3094, 0.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 142, 44) }
```

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

```
.background{ background-color: rgb(54, 142,  
44) }
```

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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