

Converting Colors

$Y_{xy}(20.9448, 0.3068, 0.5122)$

Have a look what the booklet for
Yxy(20.9448, 0.3068, 0.5122)
contains.

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Color

$\text{Yxy}(20.9745, 0.3071, 0.5124)$

Conversions

Conversions Part 1

Format	Color
Hex	3E8F3A
RGB	62, 143, 58
RGB Percent	24%, 56%, 23%
CMY	0.7570, 0.4392, 0.7726
CMYK	0.57, 0.00, 0.59, 0.44
HSL	117°, 42%, 39%
HSV	117°, 59%, 56%
XYZ	12.5708, 20.9745, 7.3886
YIQ	109.0910, -20.9910, -43.6070

Conversions

Conversions Part 2

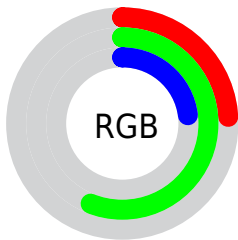
Format	Color
RYB	58, 143, 139
Decimal	4099898
CIELab	52.92, -42.33, 37.25
CIELCh	53, 56.387, 138.648
Yxy	20.9745, 0.3071, 0.5124
Android (android.graphics.Color)	4282289978 (0xFF3E8F3A)
YUV	109.0910, -25.1879, -41.2988
Hunter-Lab	45.7979, -31.1510, 22.4933

Details

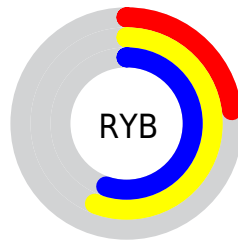
The Yxy color **20.9745, 0.3071, 0.5124** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.5026, 0.3129, 0.1919**, and the grayscale version is **15.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2528, 0.3123, 0.4674**, and **7.6674, 0.2975, 0.5909** is the 20% darker color. If you saturate the color by 10%, you get **20.4630, 0.3055, 0.5433**, and if you desaturate by 10%, it is **21.6388, 0.3086, 0.4786**.

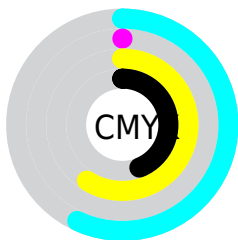
Distribution



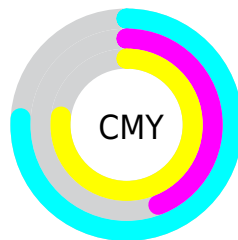
- Red (24%)
- Green (56%)
- Blue (23%)



- Red (23%)
- Yellow (56%)
- Blue (55%)



- Cyan (57%)
- Magenta (0%)
- Yellow (59%)
- Black (44%)



- Cyan (76%)
- Magenta (44%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9745, 0.3071, 0.5124 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 20.9745, 0.3071, 0.5124 by changing the saturation by 10% instead.


 20.9745, 0.3071,
0.5124


 20.9745, 0.3071,
0.5124


257.1429, 0.3156,
0.4020


 13.1054, 0.3011,
0.5475


 45.0451, 0.3124,
0.4670

 7.5011, 0.2898,
0.5971


 62.0153, 0.3137,
0.4516

 3.7774, 0.2760,
0.6948

 82.7881, 0.3144,
0.4392

 1.5499, 0.1739,
0.8261

 107.7477, 0.3149,
0.4291

 0.3234, 0.0000,
1.0000

 137.2786, 0.3152,
0.4206

 0.0000, 0.0000,
0.0000

 171.7652, 0.3154,

0.4135

211.5918, 0.3155,
0.4073

■ 20.9745, 0.3071,
0.5124

■ 20.9745, 0.3071,
0.5124

■ 20.4630, 0.3055,
0.5433

■ 21.6388, 0.3086,
0.4786

■ 20.0897, 0.3039,
0.5687

■ 22.4639, 0.3098,
0.4442

■ 19.8419, 0.3023,
0.5869

■ 23.4602, 0.3109,
0.4110

■ 19.6967, 0.3014,
0.5983

■ 24.6368, 0.3117,
0.3802

■ 19.6901, 0.3013,
0.5989

■ 26.0018, 0.3123,
0.3523

■ 27.5630, 0.3127,
0.3277

■ 29.3279, 0.3131,
0.3062

■ 31.3033, 0.3133,
0.2875

■ 33.4958, 0.3134,
0.2713

Harmonies

Analogous

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



20.9745, 0.4000, 0.5078



20.9745, 0.3071, 0.5124



20.9745, 0.2205, 0.4303

Triad

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



20.9745, 0.3071, 0.5124



20.9745, 0.1608, 0.1896



20.9745, 0.4839, 0.3100

Complementary

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



20.9745, 0.3071, 0.5124



10.5026, 0.3129, 0.1919

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.



20.9745, 0.3956, 0.2494



20.9745, 0.3071, 0.5124



20.9745, 0.2081, 0.1835

Square

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



20.9745, 0.3071, 0.5124



20.9745, 0.1461, 0.2298



20.9745, 0.2902, 0.2047



20.9745, 0.5121, 0.3780

Rectangle

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



20.9745, 0.3071, 0.5124



20.9745, 0.1789, 0.3511



20.9745, 0.2902, 0.2047



20.9745, 0.4596, 0.2887

Sweetspot

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



20.9754, 0.3071, 0.5124



44.3592, 0.3117, 0.3771



24.5407, 0.3983, 0.4591



10.0349, 0.3116, 0.3849



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.



20.9754, 0.3071, 0.5124



36.4122, 0.3050, 0.5517



21.3958, 0.2759, 0.4312



6.0406, 0.3123, 0.3517



17.4105, 0.3014, 0.5989



0.1684, 0.3084, 0.5934

Inverse Universe

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



10.5026, 0.3129, 0.1919



15.8910, 0.3121, 0.1709



9.8812, 0.3878, 0.2492



5.4984, 0.3130, 0.3073



6.4093, 0.3096, 0.1479



0.0638, 0.3157, 0.1513

Previews

White Background



This preview shows how the Yxy color 20.9745, 0.3071, 0.5124 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 20.9745, 0.3071, 0.5124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

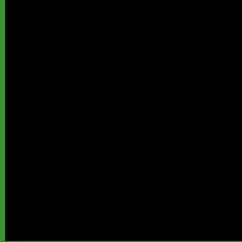
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9745, 0.3071, 0.5124

Background



This preview shows how black text looks on a background with the Yxy color 20.9745, 0.3071, 0.5124.



This preview shows how white text looks on a background with the Yxy color 20.9745, 0.3071, 0.5124.

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

20.9745, 0.3071, 0.5124

Protanopia

20.7542, 0.4108, 0.4507

Deuteranopia

20.6846, 0.4236, 0.4173



Tritanopia

20.8439, 0.2512, 0.3075

Trichromacy



Original Color

20.9745, 0.3071, 0.5124

Protanomaly

20.2231, 0.3672, 0.4754

Deuteranomaly

19.8511, 0.3757, 0.4527

Tritanomaly

20.5394, 0.2727, 0.3797

Monochromacy



Original Color

20.9745, 0.3071, 0.5124

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.6882, 0.3119, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9745, 0.3071, 0.5124 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(62, 143, 58)` looks like.

```
.text, #text, p{  
    color:rgb(62, 143, 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(62, 143, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 143, 58) }
```

Border

The CSS property to change the border of an element to Yxy 20.9745, 0.3071, 0.5124 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(62, 143, 58) }
```

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

```
.border{ border-color:rgb(62, 143, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 143, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 143, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 143, 58);  
box-shadow:4px 4px 4px 4px rgb(62, 143,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9745, 0.3071, 0.5124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 143, 58) }
```

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

```
.background{ background-color: rgb(62, 143,  
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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