

Converting Colors

$Yxy(20.4934, 0.3019, 0.5617)$

Have a look what the booklet for
Yxy(20.4934, 0.3019, 0.5617)
contains.

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Color

Yxy(20.4252, 0.3018, 0.5619)

Conversions

Conversions Part 1

Format	Color
Hex	239023
RGB	35, 144, 35
RGB Percent	14%, 56%, 14%
CMY	0.8626, 0.4353, 0.8627
CMYK	0.76, 0.00, 0.76, 0.44
HSL	120°, 61%, 35%
HSV	120°, 76%, 56%
XYZ	10.9705, 20.4252, 4.9545
YIQ	98.9830, -29.9750, -57.0070

Conversions

Conversions Part 2

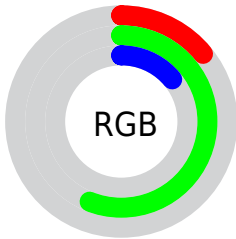
Format	Color
R_{YB}	35, 144, 144
Decimal	2330659
CIE _{Lab}	52.31, -51.02, 46.38
CIE _{LCh}	52, 68.948, 137.724
Yxy	20.4252, 0.3018, 0.5619
Android (android.graphics.Color)	4280520739 (0xFF239023)
YUV	98.9830, -31.5436, -56.1131
Hunter-Lab	45.1942, -35.7606, 25.1362

Details

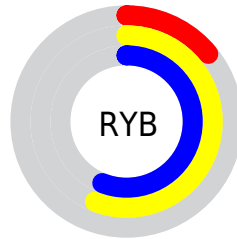
The Yxy color **20.4252, 0.3018, 0.5619** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.1435, 0.3201, 0.1708**, and the grayscale version is **12.5621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1876, 0.3116, 0.5045**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.1550, 0.3008, 0.5826**, and if you desaturate by 10%, it is **20.8356, 0.3031, 0.5341**.

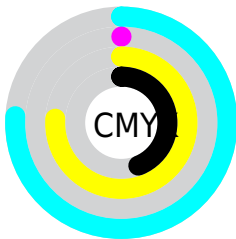
Distribution



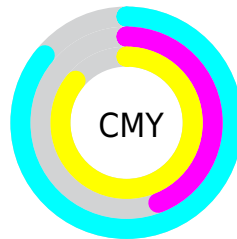
- Red (14%)
- Green (56%)
- Blue (14%)



- Red (14%)
- Yellow (56%)
- Blue (56%)



- Cyan (76%)
- Magenta (0%)
- Yellow (76%)
- Black (44%)



- Cyan (86%)
- Magenta (44%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4252, 0.3018, 0.5619 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 20.4252, 0.3018, 0.5619 by changing the saturation by 10% instead.


 20.4252, 0.3018,
0.5619


 20.4252, 0.3018,
0.5619


254.2078, 0.3169,
0.4209


 12.7045, 0.2914,
0.6055


 44.1289, 0.3112,
0.5042

 7.2254, 0.2728,
0.6669


 60.8807, 0.3134,
0.4845


 3.6034, 0.2388,
0.7612

 81.4117, 0.3148,
0.4686

 1.4543, 0.0335,
0.9665

 106.1062, 0.3156,
0.4556

 0.2562, 0.0000,
1.0000

 135.3487, 0.3162,
0.4447

 0.0000, 0.0000,
0.0000

 169.5235, 0.3166,

0.4356

209.0151, 0.3168,
0.4277

■ 20.4252, 0.3018,
0.5619

■ 20.4252, 0.3018,
0.5619

■ 20.1550, 0.3008,
0.5826

■ 20.8356, 0.3031,
0.5341

■ 20.0007, 0.3002,
0.5954

■ 21.3989, 0.3046,
0.5016

■ 19.9470, 0.3000,
0.6000

■ 22.1289, 0.3063,
0.4669

■ 23.0374, 0.3079,
0.4323

■ 24.1352, 0.3094,
0.3995

■ 25.4321, 0.3108,
0.3695

■ 26.9372, 0.3121,
0.3428

■ 28.6591, 0.3132,
0.3193

■ 30.6060, 0.3141,
0.2989

Harmonies

Analogous

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



20.4252, 0.4103, 0.5389



20.4252, 0.3018, 0.5619



20.4252, 0.2012, 0.4615

Triad

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



20.4252, 0.3018, 0.5619



20.4252, 0.1349, 0.1654



20.4252, 0.5201, 0.2991

Complementary

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



20.4252, 0.3018, 0.5619



9.1435, 0.3201, 0.1708

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.



20.4252, 0.4090, 0.2319



20.4252, 0.3018, 0.5619



20.4252, 0.1860, 0.1592

Square

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



20.4252, 0.3018, 0.5619



20.4252, 0.1191, 0.2095



20.4252, 0.2799, 0.1824



20.4252, 0.5516, 0.3742

Rectangle

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



20.4252, 0.3018, 0.5619



20.4252, 0.1539, 0.3575



20.4252, 0.2799, 0.1824



20.4252, 0.4898, 0.2756

Sweetspot

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



20.4261, 0.3018, 0.5619



43.0448, 0.3097, 0.3926



25.4517, 0.4110, 0.4864



9.7110, 0.3093, 0.4029



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.



20.4261, 0.3018, 0.5619



35.3380, 0.3004, 0.5924



21.0037, 0.2700, 0.4568



6.0294, 0.3117, 0.3517



17.3700, 0.3000, 0.6000



0.1661, 0.3000, 0.6000

Inverse Universe

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



9.1435, 0.3201, 0.1708



14.3985, 0.3207, 0.1573



7.8927, 0.4289, 0.2417



5.5110, 0.3137, 0.3073



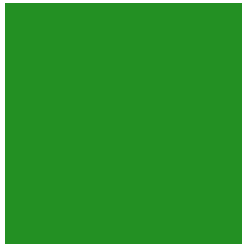
6.9146, 0.3209, 0.1541



0.0661, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 20.4252, 0.3018, 0.5619 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 20.4252, 0.3018, 0.5619 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 20.4252, 0.3018, 0.5619

Background



This preview shows how black text looks on a background with the Yxy color 20.4252, 0.3018, 0.5619.



This preview shows how white text looks on a background with the Yxy color 20.4252, 0.3018, 0.5619.

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

20.4252, 0.3018, 0.5619

Protanopia

19.9980, 0.4284, 0.4736

Deuteranopia

20.1227, 0.4454, 0.4374



Tritanopia

20.2878, 0.2413, 0.3069

Trichromacy



Original Color

20.4252, 0.3018, 0.5619



Protanomaly

19.1036, 0.3697, 0.5139



Deuteranomaly

18.7254, 0.3800, 0.4886



Tritanomaly

20.0091, 0.2656, 0.4022

Monochromacy



Original Color

20.4252, 0.3018, 0.5619



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.3198, 0.3083, 0.4238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4252, 0.3018, 0.5619 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(35, 144, 35)` looks like.

```
.text, #text, p{  
    color:rgb(35, 144, 35)  
}
```

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(35, 144, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 144, 35) }
```

Border

The CSS property to change the border of an element to Yxy 20.4252, 0.3018, 0.5619 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(35, 144, 35) }
```

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

```
.border{ border-color:rgb(35, 144, 35) }
```

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

Here you see how a box with a 4 pixel rgb(35, 144, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 144, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 144, 35);  
box-shadow:4px 4px 4px 4px rgb(35, 144,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4252, 0.3018, 0.5619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 144, 35) }
```

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

```
.background{ background-color: rgb(35, 144,  
35) }
```

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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