

Converting Colors

$Y_{xy}(20.1748, 0.2994, 0.5290)$

Have a look what the booklet for
Yxy(20.1748, 0.2994, 0.5290)
contains.

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Color

Yxy(20.1748, 0.2994, 0.5290)

Conversions

Conversions Part 1

Format	Color
Hex	2E8E34
RGB	46, 142, 52
RGB Percent	18%, 56%, 20%
CMY	0.8198, 0.4431, 0.7960
CMYK	0.68, 0.00, 0.63, 0.44
HSL	124°, 51%, 37%
HSV	124°, 68%, 56%
XYZ	11.4184, 20.1748, 6.5444
YIQ	103.0360, -28.3260, -48.3420

Conversions

Conversions Part 2

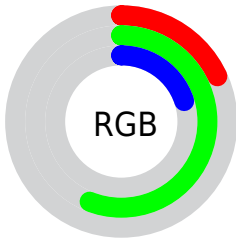
Format	Color
R_{YB}	46, 136, 142
Decimal	3051060
CIE _{Lab}	52.03, -46.54, 38.96
CIE _{LCh}	52, 60.692, 140.067
Yxy	20.1748, 0.2994, 0.5290
Android (android.graphics.Color)	4281241140 (0xFF2E8E34)
YUV	103.0360, -25.1607, -50.0206
Hunter-Lab	44.9164, -33.2263, 22.8028

Details

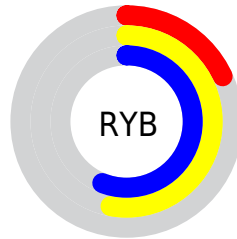
The Yxy color **20.1748, 0.2994, 0.5290** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.4769, 0.3296, 0.1885**, and the grayscale version is **13.6447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8951, 0.3076, 0.4790**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.7955, 0.2986, 0.5564**, and if you desaturate by 10%, it is **20.6986, 0.3008, 0.4976**.

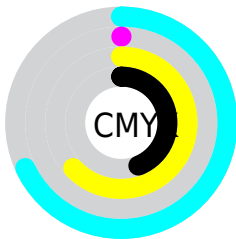
Distribution



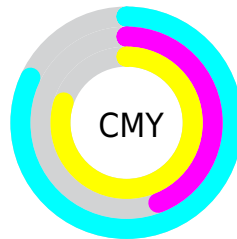
- Red (18%)
- Green (56%)
- Blue (20%)



- Red (18%)
- Yellow (53%)
- Blue (56%)



- Cyan (68%)
- Magenta (0%)
- Yellow (63%)
- Black (44%)




- Cyan (82%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1748, 0.2994, 0.5290 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 20.1748, 0.2994, 0.5290 by changing the saturation by 10% instead.


 20.1748, 0.2994,
0.5290


 20.1748, 0.2994,
0.5290

252.8598, 0.3132,
0.4075


 12.5222, 0.2911,
0.5680


 43.7101, 0.3073,
0.4787


 7.1003, 0.2760,
0.6232


 60.3615, 0.3092,
0.4617


 3.5249, 0.2587,
0.7413

 80.7813, 0.3106,
0.4481

 1.4115, 0.0845,
0.9155

 105.3538, 0.3115,
0.4370

 0.2252, 0.0000,
1.0000

 134.4636, 0.3121,
0.4277

 0.0000, 0.0000,
0.0000

 168.4949, 0.3126,

0.4199

207.8322, 0.3130,
0.4133

■ 20.1748, 0.2994,
0.5290

■ 20.1748, 0.2994,
0.5290

■ 19.7955, 0.2986,
0.5564

■ 20.6986, 0.3008,
0.4976

■ 19.5441, 0.2985,
0.5778

■ 21.3768, 0.3025,
0.4645

■ 19.3962, 0.2986,
0.5921

■ 22.2211, 0.3046,
0.4317

■ 19.3674, 0.2985,
0.5946

■ 23.2415, 0.3068,
0.4006

■ 24.4473, 0.3090,
0.3720

■ 25.8470, 0.3112,
0.3465

■ 27.4485, 0.3132,
0.3240

■ 29.2596, 0.3150,
0.3043

■ 31.2872, 0.3168,
0.2873

Harmonies

Analogous

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



20.1748, 0.3990, 0.5236



20.1748, 0.2994, 0.5290



20.1748, 0.2083, 0.4344

Triad

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



20.1748, 0.2994, 0.5290



20.1748, 0.1522, 0.1786



20.1748, 0.5021, 0.3100

Complementary

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



20.1748, 0.2994, 0.5290



9.4769, 0.3296, 0.1885

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.



20.1748, 0.4079, 0.2460



20.1748, 0.2994, 0.5290



20.1748, 0.2034, 0.1742

Square

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



20.1748, 0.2994, 0.5290



20.1748, 0.1351, 0.2180



20.1748, 0.2926, 0.1979



20.1748, 0.5272, 0.3816

Rectangle

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



20.1748, 0.2994, 0.5290



20.1748, 0.1659, 0.3458



20.1748, 0.2926, 0.1979



20.1748, 0.4768, 0.2876

Sweetspot

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



20.1756, 0.2994, 0.5290



42.4834, 0.3084, 0.3797



24.8801, 0.3969, 0.4813



9.3702, 0.3079, 0.3866



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.



20.1756, 0.2994, 0.5290



34.6544, 0.2985, 0.5681



20.8241, 0.2664, 0.4255



6.0346, 0.3108, 0.3502



17.3886, 0.2984, 0.5942



0.1671, 0.2910, 0.5676

Inverse Universe

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



9.4769, 0.3296, 0.1885



14.3996, 0.3334, 0.1719



8.4257, 0.4257, 0.2573



5.5052, 0.3146, 0.3087



6.6851, 0.3370, 0.1630



0.0651, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 20.1748, 0.2994, 0.5290 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 20.1748, 0.2994, 0.5290 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 20.1748, 0.2994, 0.5290

Background



This preview shows how black text looks on a background with the Yxy color 20.1748, 0.2994, 0.5290.



This preview shows how white text looks on a background with the Yxy color 20.1748, 0.2994, 0.5290.

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

20.1748, 0.2994, 0.5290

Protanopia

20.0238, 0.4154, 0.4569

Deuteranopia

19.7242, 0.4294, 0.4208



Tritanopia

20.1283, 0.2443, 0.3070

Trichromacy



Original Color

20.1748, 0.2994, 0.5290



Protanomaly

19.4576, 0.3638, 0.4883



Deuteranomaly

18.7278, 0.3712, 0.4632



Tritanomaly

19.7801, 0.2648, 0.3835

Monochromacy



Original Color

20.1748, 0.2994, 0.5290



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.1565, 0.3067, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1748, 0.2994, 0.5290 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(46, 142, 52)` looks like.

```
.text, #text, p{  
    color:rgb(46, 142, 52)  
}
```

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(46, 142, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 142, 52) }
```

Border

The CSS property to change the border of an element to Yxy 20.1748, 0.2994, 0.5290 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(46, 142, 52) }
```

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

```
.border{ border-color:rgb(46, 142, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 142, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 142, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 142, 52);  
box-shadow:4px 4px 4px 4px rgb(46, 142,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1748, 0.2994, 0.5290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 142, 52) }
```

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

```
.background{ background-color: rgb(46, 142,  
52) }
```

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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