

Converting Colors

$Y_{xy}(20.6770, 0.3038, 0.5412)$

Have a look what the booklet for
 $Y_{xy}(20.6770, 0.3038, 0.5412)$
contains.

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Color

Yxy(20.7481, 0.3034, 0.5408)

Conversions

Conversions Part 1

Format	Color
Hex	2F902E
RGB	47, 144, 46
RGB Percent	18%, 56%, 18%
CMY	0.8155, 0.4353, 0.8195
CMYK	0.67, 0.00, 0.68, 0.44
HSL	119°, 52%, 37%
HSV	119°, 68%, 56%
XYZ	11.6401, 20.7481, 5.9774
YIQ	103.8250, -26.3540, -51.0420

Conversions

Conversions Part 2

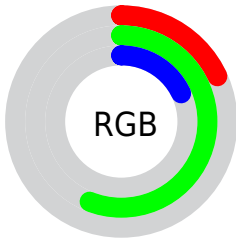
Format	Color
R_{YB}	46, 144, 143
Decimal	3117102
CIE _{Lab}	52.67, -47.70, 42.39
CIE _{LCh}	53, 63.816, 138.375
Yxy	20.7481, 0.3034, 0.5408
Android (android.graphics.Color)	4281307182 (0xFF2F902E)
YUV	103.8250, -28.5077, -49.8355
Hunter-Lab	45.5501, -34.0978, 24.1047

Details

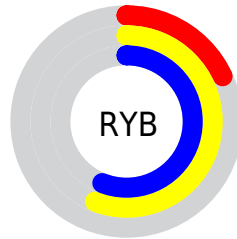
The Yxy color **20.7481, 0.3034, 0.5408** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.8066, 0.3180, 0.1799**, and the grayscale version is **13.8804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7741, 0.3109, 0.4880**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.3684, 0.3021, 0.5671**, and if you desaturate by 10%, it is **21.2783, 0.3049, 0.5092**.

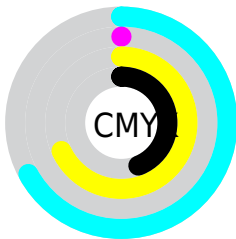
Distribution



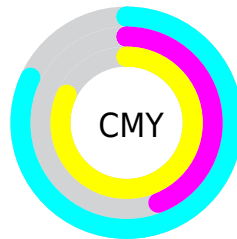
- Red (18%)
- Green (56%)
- Blue (18%)



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



- Cyan (67%)
- Magenta (0%)
- Yellow (68%)
- Black (44%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7481, 0.3034, 0.5408 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 20.7481, 0.3034, 0.5408 by changing the saturation by 10% instead.

 20.7481, 0.3034,
0.5408


 20.7481, 0.3034,
0.5408


255.9367, 0.3159,
0.4128


 12.9400, 0.2950,
0.5810


 44.6679, 0.3111,
0.4882

 7.3872, 0.2792,
0.6368


 61.5484, 0.3129,
0.4704


 3.7054, 0.2569,
0.7431

 82.2219, 0.3140,
0.4560

 1.5102, 0.1006,
0.8994

 107.0726, 0.3148,
0.4442

 0.2959, 0.0000,
1.0000

 136.4851, 0.3152,
0.4344

 0.0000, 0.0000,
0.0000

 170.8437, 0.3156,

0.4261

210.5328, 0.3158,
0.4190

■ 20.7481, 0.3034,
0.5408

■ 20.7481, 0.3034,
0.5408

■ 20.3684, 0.3021,
0.5671

■ 21.2783, 0.3049,
0.5092

■ 20.1214, 0.3010,
0.5860

■ 21.9694, 0.3065,
0.4748

■ 19.9802, 0.3004,
0.5977

■ 22.8342, 0.3080,
0.4401

■ 19.9561, 0.3003,
0.5998

■ 23.8833, 0.3095,
0.4069

■ 25.1264, 0.3108,
0.3763

■ 26.5726, 0.3119,
0.3487

■ 28.2305, 0.3129,
0.3245

■ 30.1080, 0.3137,
0.3034

■ 32.2129, 0.3144,
0.2852

Harmonies

Analogous

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



20.7481, 0.4058, 0.5273



20.7481, 0.3034, 0.5408



20.7481, 0.2085, 0.4469

Triad

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



20.7481, 0.3034, 0.5408



20.7481, 0.1455, 0.1750



20.7481, 0.5059, 0.3045

Complementary

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



20.7481, 0.3034, 0.5408



9.8066, 0.3180, 0.1799

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.



20.7481, 0.4048, 0.2397



20.7481, 0.3034, 0.5408



20.7481, 0.1956, 0.1690

Square

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



20.7481, 0.3034, 0.5408



20.7481, 0.1298, 0.2172



20.7481, 0.2853, 0.1918



20.7481, 0.5355, 0.3771

Rectangle

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



20.7481, 0.3034, 0.5408



20.7481, 0.1636, 0.3535



20.7481, 0.2853, 0.1918



20.7481, 0.4783, 0.2817

Sweetspot

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



20.7490, 0.3034, 0.5408



43.7670, 0.3105, 0.3832



25.5819, 0.4046, 0.4765



9.9073, 0.3102, 0.3909



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.



20.7490, 0.3034, 0.5408



35.6527, 0.3014, 0.5788



21.3246, 0.2712, 0.4416



6.0319, 0.3118, 0.3517



17.3789, 0.3003, 0.5997



0.1666, 0.3019, 0.5985

Inverse Universe

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



9.8066, 0.3180, 0.1799



14.9273, 0.3184, 0.1620



8.7409, 0.4118, 0.2462



5.5082, 0.3136, 0.3073



6.8007, 0.3184, 0.1528



0.0656, 0.3198, 0.1535

Previews

White Background



This preview shows how the Yxy color 20.7481, 0.3034, 0.5408 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 20.7481, 0.3034, 0.5408 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 20.7481, 0.3034, 0.5408

Background



This preview shows how black text looks on a background with the Yxy color 20.7481, 0.3034, 0.5408.



This preview shows how white text looks on a background with the Yxy color 20.7481, 0.3034, 0.5408.

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

20.7481, 0.3034, 0.5408

Protanopia

20.4028, 0.4215, 0.4636

Deuteranopia

20.4380, 0.4361, 0.4284



Tritanopia

20.7887, 0.2457, 0.3092

Trichromacy



Original Color

20.7481, 0.3034, 0.5408

Protanomaly

19.7411, 0.3686, 0.4973

Deuteranomaly

19.3993, 0.3780, 0.4718

Tritanomaly

20.3711, 0.2685, 0.3918

Monochromacy



Original Color

20.7481, 0.3034, 0.5408

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.6572, 0.3088, 0.4124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7481, 0.3034, 0.5408 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(47, 144, 46)` looks like.

```
.text, #text, p{  
    color:rgb(47, 144, 46)  
}
```

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(47, 144, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 144, 46) }
```

Border

The CSS property to change the border of an element to Yxy 20.7481, 0.3034, 0.5408 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(47, 144, 46) }
```

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

```
.border{ border-color:rgb(47, 144, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 144, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 144, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 144, 46);  
box-shadow:4px 4px 4px 4px rgb(47, 144,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7481, 0.3034, 0.5408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 144, 46) }
```

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

```
.background{ background-color: rgb(47, 144,  
46) }
```

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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