

Converting Colors

$Y_{xy}(20.3682, 0.2806, 0.5236)$

Have a look what the booklet for
Yxy(20.3682, 0.2806, 0.5236)
contains.

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Color

Yxy(20.3308, 0.2806, 0.5232)

Conversions

Conversions Part 1

Format	Color
Hex	09903C
RGB	9, 144, 60
RGB Percent	4%, 56%, 24%
CMY	0.9637, 0.4353, 0.7647
CMYK	0.94, 0.00, 0.58, 0.44
HSL	143°, 88%, 30%
HSV	143°, 94%, 56%
XYZ	10.9037, 20.3308, 7.6241
YIQ	94.0590, -53.4960, -54.7440

Conversions

Conversions Part 2

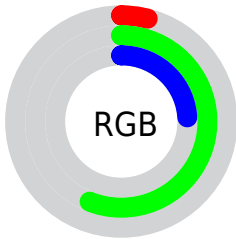
Format	Color
R_{YB}	9, 107, 144
Decimal	626748
CIE _{Lab}	52.21, -51.06, 35.17
CIE _{LCh}	52, 61.996, 145.440
Yxy	20.3308, 0.2806, 0.5232
Android (android.graphics.Color)	4278816828 (0xFF09903C)
YUV	94.0590, -16.7911, -74.5967
Hunter-Lab	45.0897, -35.7416, 21.5377

Details

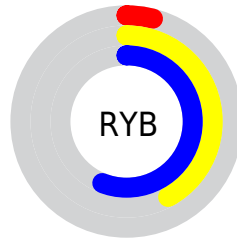
The Yxy color **20.3308, 0.2806, 0.5232** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.9245, 0.4307, 0.2195**, and the grayscale version is **11.2762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9989, 0.2922, 0.4732**, and **7.6740, 0.2962, 0.5864** is the 20% darker color. If you saturate the color by 10%, you get **20.2143, 0.2822, 0.5359**, and if you desaturate by 10%, it is **20.5650, 0.2786, 0.5019**.

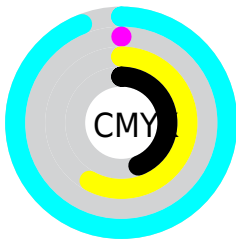
Distribution



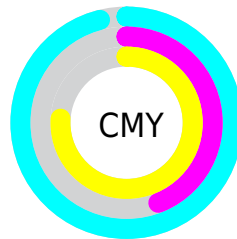
- Red (4%)
- Green (56%)
- Blue (24%)



- Red (4%)
- Yellow (42%)
- Blue (56%)



- Cyan (94%)
- Magenta (0%)
- Yellow (58%)
- Black (44%)





- Cyan (96%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3308, 0.2806, 0.5232 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 20.3308, 0.2806, 0.5232 by changing the saturation by 10% instead.


 20.3308, 0.2806,
0.5232


 20.3308, 0.2806,
0.5232


253.7003, 0.3044,
0.4045


 12.6357, 0.2700,
0.5622


 43.9711, 0.2921,
0.4736

 7.1782, 0.2523,
0.6184


 60.6851, 0.2954,
0.4571


 3.5738, 0.2274,
0.7282

 81.1743, 0.2979,
0.4438

 1.4381, 0.0260,
0.9740

 105.8229, 0.2998,
0.4330

 0.2446, 0.0000,
1.0000

 135.0154, 0.3014,
0.4241

 0.0000, 0.0000,
0.0000

 169.1362, 0.3026,

0.4165

208.5698, 0.3036,
0.4101

■ 20.3308, 0.2806,
0.5232

■ 20.3308, 0.2806,
0.5232

■ 20.2143, 0.2822,
0.5359

■ 20.5650, 0.2786,
0.5019

■ 20.9081, 0.2783,
0.4790

■ 21.3747, 0.2797,
0.4554

■ 21.9764, 0.2827,
0.4319

■ 22.7235, 0.2869,
0.4092

■ 23.6251, 0.2920,
0.3878

■ 24.6896, 0.2978,
0.3682

■ 25.9249, 0.3040,
0.3503

■ 27.3382, 0.3104,
0.3343

Harmonies

Analogous

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



20.3308, 0.3820, 0.5343



20.3308, 0.2806, 0.5232



20.3308, 0.1930, 0.4122

Triad

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



20.3308, 0.2806, 0.5232



20.3308, 0.1566, 0.1733



20.3308, 0.5160, 0.3218

Complementary

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



20.3308, 0.2806, 0.5232



6.9245, 0.4307, 0.2195

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.



20.3308, 0.4302, 0.2553



20.3308, 0.2806, 0.5232



20.3308, 0.2150, 0.1744

Square

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



20.3308, 0.2806, 0.5232



20.3308, 0.1334, 0.2057



20.3308, 0.3121, 0.2031



20.3308, 0.5270, 0.3951

Rectangle

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



20.3308, 0.2806, 0.5232



20.3308, 0.1553, 0.3231



20.3308, 0.3121, 0.2031



20.3308, 0.4946, 0.2987

Sweetspot

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



20.3316, 0.2806, 0.5232



42.5734, 0.2949, 0.3778



22.3769, 0.3595, 0.5473



9.5999, 0.2926, 0.3856



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.



20.3316, 0.2806, 0.5232



35.6246, 0.2832, 0.5395



21.5126, 0.2367, 0.3675



6.0609, 0.3068, 0.3430



17.6080, 0.2819, 0.5349



0.1724, 0.2587, 0.4513

Inverse Universe

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



6.9245, 0.4307, 0.2195



11.7198, 0.4446, 0.2223



6.2100, 0.6010, 0.3162



5.4770, 0.3191, 0.3154



5.8073, 0.4407, 0.2201



0.0598, 0.3765, 0.1848

Previews

White Background



This preview shows how the Yxy color 20.3308, 0.2806, 0.5232 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 20.3308, 0.2806, 0.5232 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 20.3308, 0.2806, 0.5232

Background



This preview shows how black text looks on a background with the Yxy color 20.3308, 0.2806, 0.5232.



This preview shows how white text looks on a background with the Yxy color 20.3308, 0.2806, 0.5232.

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

20.3308, 0.2806, 0.5232

Protanopia

20.0849, 0.4093, 0.4479

Deuteranopia

19.9414, 0.4194, 0.4130



Tritanopia

20.2731, 0.2351, 0.3067

Trichromacy



Original Color

20.3308, 0.2806, 0.5232



Protanomaly

18.7423, 0.3409, 0.4861



Deuteranomaly

18.2016, 0.3458, 0.4607



Tritanomaly

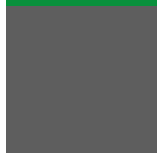
19.8659, 0.2497, 0.3799

Monochromacy



Original Color

20.3308, 0.2806, 0.5232



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.2543, 0.2867, 0.4057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3308, 0.2806, 0.5232 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(9, 144, 60)` looks like.

```
.text, #text, p{  
    color:rgb(9, 144, 60)  
}
```

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(9, 144, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 144, 60) }
```

Border

The CSS property to change the border of an element to Yxy 20.3308, 0.2806, 0.5232 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(9, 144, 60) }
```

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

```
.border{ border-color:rgb(9, 144, 60) }
```

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

Here you see how a box with a 4 pixel rgb(9, 144, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 144, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 144, 60);  
box-shadow:4px 4px 4px 4px rgb(9, 144, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3308, 0.2806, 0.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 144, 60) }
```

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

```
.background{ background-color: rgb(9, 144,  
60) }
```

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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