

Converting Colors

$Yxy(20.0404, 0.2878, 0.5562)$

Have a look what the booklet for
Yxy(20.0404, 0.2878, 0.5562)
contains.

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Color

Yxy(20.1209, 0.2879, 0.5566)

Conversions

Conversions Part 1

Format	Color
Hex	00902B
RGB	0, 144, 43
RGB Percent	0%, 56%, 17%
CMY	1.0000, 0.4353, 0.8313
CMYK	1.00, 0.00, 0.70, 0.44
HSL	138°, 100%, 28%
HSV	138°, 100%, 56%
XYZ	10.4075, 20.1209, 5.6213
YIQ	89.4300, -53.4030, -61.9390

Conversions

Conversions Part 2

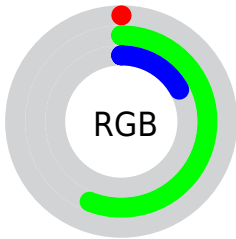
Format	Color
RYB	0, 111, 144
Decimal	36907
CIELab	51.97, -53.78, 42.72
CIELCh	52, 68.688, 141.537
Yxy	20.1209, 0.2879, 0.5566
Android (android.graphics.Color)	4278226987 (0xFF00902B)
YUV	89.4300, -22.8900, -78.4301
Hunter-Lab	44.8563, -37.0833, 23.9694

Details

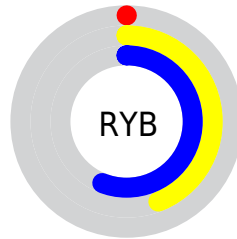
The Yxy color **20.1209, 0.2879, 0.5566** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.8694, 0.4119, 0.2043**, and the grayscale version is **10.1524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5863, 0.2997, 0.4987**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.1230, 0.2879, 0.5566**, and if you desaturate by 10%, it is **20.3032, 0.2856, 0.5365**.

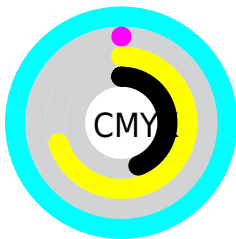
Distribution



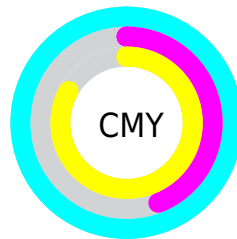
- Red (0%)
- Green (56%)
- Blue (17%)



- Red (0%)
- Yellow (44%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1209, 0.2879, 0.5566 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 20.1209, 0.2879, 0.5566 by changing the saturation by 10% instead.


 20.1209, 0.2879,
0.5566


 20.1209, 0.2879,
0.5566


252.5689, 0.3100,
0.4175


 12.4830, 0.2761,
0.6011


 43.6198, 0.2997,
0.4989


 7.0735, 0.2554,
0.6633


 60.2495, 0.3028,
0.4795


 3.5081, 0.2234,
0.7766

 80.6453, 0.3050,
0.4639

 1.4024, 0.0000,
1.0000

 105.1915, 0.3067,
0.4512

 0.2185, 0.0000,
1.0000

 134.2726, 0.3078,
0.4406

 0.0000, 0.0000,
0.0000

 168.2729, 0.3088,

0.4317

207.5769, 0.3095,
0.4241

■ 20.1209, 0.2879,
0.5566

■ 20.1209, 0.2879,
0.5566

■ 20.1230, 0.2879,
0.5566

■ 20.3032, 0.2856,
0.5365

■ 20.5681, 0.2841,
0.5136

■ 20.9517, 0.2842,
0.4884

■ 21.4671, 0.2857,
0.4621

■ 22.1257, 0.2886,
0.4360

■ 22.9377, 0.2925,
0.4109

■ 23.9122, 0.2971,
0.3873

■ 25.0577, 0.3021,
0.3658

■ 26.3819, 0.3074,
0.3463

Harmonies

Analogous

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



20.1209, 0.3969, 0.5470



20.1209, 0.2879, 0.5566



20.1209, 0.1905, 0.4422

Triad

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



20.1209, 0.2879, 0.5566



20.1209, 0.1391, 0.1627



20.1209, 0.5295, 0.3082

Complementary

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



20.1209, 0.2879, 0.5566



6.8694, 0.4119, 0.2043

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.



20.1209, 0.4259, 0.2397



20.1209, 0.2879, 0.5566



20.1209, 0.1953, 0.1604

Square

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



20.1209, 0.2879, 0.5566



20.1209, 0.1191, 0.2011



20.1209, 0.2950, 0.1872



20.1209, 0.5494, 0.3843

Rectangle

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



20.1209, 0.2879, 0.5566



20.1209, 0.1471, 0.3387



20.1209, 0.2950, 0.1872



20.1209, 0.5026, 0.2844

Sweetspot

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



20.1230, 0.2879, 0.5566



42.0571, 0.2968, 0.3887



22.8442, 0.3710, 0.5436



9.4894, 0.2950, 0.3975



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.



20.1230, 0.2879, 0.5566



35.4626, 0.2889, 0.5600



21.1364, 0.2440, 0.3985



6.0542, 0.3078, 0.3448



17.5255, 0.2877, 0.5556



0.1711, 0.2653, 0.4749

Inverse Universe

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



6.8694, 0.4119, 0.2043



12.0845, 0.4142, 0.2055



6.0299, 0.5985, 0.3071



5.4840, 0.3180, 0.3137



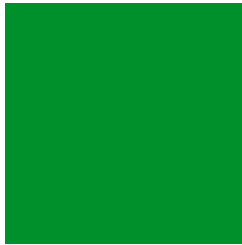
5.9857, 0.4113, 0.2039



0.0611, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 20.1209, 0.2879, 0.5566 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 20.1209, 0.2879, 0.5566 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 20.1209, 0.2879, 0.5566

Background



This preview shows how black text looks on a background with the Yxy color 20.1209, 0.2879, 0.5566.



This preview shows how white text looks on a background with the Yxy color 20.1209, 0.2879, 0.5566.

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

20.1209, 0.2879, 0.5566

Protanopia

19.9585, 0.4221, 0.4671

Deuteranopia

19.7428, 0.4387, 0.4305



Tritanopia

20.0243, 0.2364, 0.3066

Trichromacy



Original Color

20.1209, 0.2879, 0.5566



Protanomaly

18.4605, 0.3489, 0.5143



Deuteranomaly

17.9419, 0.3563, 0.4889



Tritanomaly

19.6717, 0.2540, 0.3967

Monochromacy



Original Color

20.1209, 0.2879, 0.5566



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

12.2750, 0.2905, 0.4283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1209, 0.2879, 0.5566 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(0, 144, 43)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 43)  
}
```

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(0, 144, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 43) }
```

Border

The CSS property to change the border of an element to Yxy 20.1209, 0.2879, 0.5566 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(0, 144, 43) }
```

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

```
.border{ border-color:rgb(0, 144, 43) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 43);  
box-shadow:4px 4px 4px 4px rgb(0, 144, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.1209, 0.2879, 0.5566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 43) }
```

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

```
.background{ background-color: rgb(0, 144,  
43) }
```

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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