

Converting Colors

$Yxy(20.3755, 0.2745, 0.5055)$

Have a look what the booklet for
Yxy(20.3755, 0.2745, 0.5055)
contains.

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Color

$\text{Yxy}(20.3897, 0.2748, 0.5062)$

Conversions

Conversions Part 1

Format	Color
Hex	049044
RGB	4, 144, 68
RGB Percent	2%, 56%, 27%
CMY	0.9834, 0.4353, 0.7333
CMYK	0.97, 0.00, 0.53, 0.44
HSL	147°, 94%, 29%
HSV	147°, 97%, 56%
XYZ	11.0689, 20.3897, 8.8213
YIQ	93.4760, -59.0440, -53.3160

Conversions

Conversions Part 2

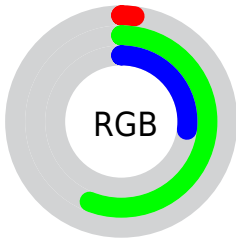
Format	Color
RYB	4, 100, 144
Decimal	299076
CIELab	52.27, -50.12, 31.17
CIELCh	52, 59.023, 148.118
Yxy	20.3897, 0.2748, 0.5062
Android (android.graphics.Color)	4278489156 (0xFF049044)
YUV	93.4760, -12.5597, -78.4705
Hunter-Lab	45.1550, -35.2651, 20.0258

Details

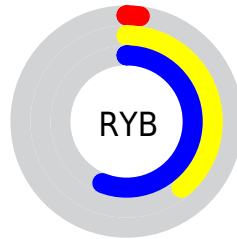
The Yxy color **20.3897, 0.2748, 0.5062** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.6037, 0.4672, 0.2373**, and the grayscale version is **11.1213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0861, 0.2866, 0.4605**, and **7.7084, 0.2901, 0.5643** is the 20% darker color. If you saturate the color by 10%, you get **20.3356, 0.2755, 0.5117**, and if you desaturate by 10%, it is **20.6001, 0.2726, 0.4869**.

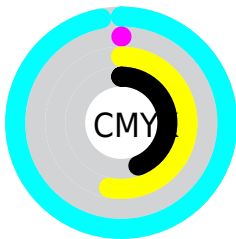
Distribution



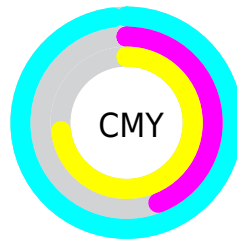
- Red (2%)
- Green (56%)
- Blue (27%)



- Red (2%)
- Yellow (39%)
- Blue (56%)



- Cyan (97%)
- Magenta (0%)
- Yellow (53%)
- Black (44%)




- Cyan (98%)
- Magenta (44%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3897, 0.2748, 0.5062 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 20.3897, 0.2748, 0.5062 by changing the saturation by 10% instead.


 20.3897, 0.2748,
0.5062


 20.3897, 0.2748,
0.5062


254.0170, 0.3009,
0.3980

 12.6786, 0.2643,
0.5421


 44.0696, 0.2868,
0.4609

 7.2076, 0.2472,
0.5945


 60.8072, 0.2904,
0.4458

 3.5923, 0.2195,
0.6842

 81.3224, 0.2932,
0.4338

 1.4482, 0.0449,
0.9551

 105.9997, 0.2954,
0.4240

 0.2519, 0.0000,
1.0000

 135.2234, 0.2972,
0.4158

 0.0000, 0.0000,
0.0000

 169.3780, 0.2986,

0.4089

208.8477, 0.2999,
0.4031

■ 20.3897, 0.2748,
0.5062

■ 20.3897, 0.2748,
0.5062

■ 20.3356, 0.2755,
0.5117

■ 20.6001, 0.2726,
0.4869

■ 20.9046, 0.2720,
0.4666

■ 21.3244, 0.2733,
0.4458

■ 21.8717, 0.2763,
0.4251

■ 22.5567, 0.2808,
0.4052

■ 23.3889, 0.2865,
0.3863

■ 24.3765, 0.2930,
0.3688

■ 25.5276, 0.3000,
0.3527

■ 26.8492, 0.3074,
0.3383

Harmonies

Analogous

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



20.3897, 0.3724, 0.5278



20.3897, 0.2748, 0.5062



20.3897, 0.1927, 0.3966

Triad

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



20.3897, 0.2748, 0.5062



20.3897, 0.1660, 0.1781



20.3897, 0.5106, 0.3296

Complementary

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



20.3897, 0.2748, 0.5062



6.6037, 0.4672, 0.2373

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.



20.3897, 0.4341, 0.2640



20.3897, 0.2748, 0.5062



20.3897, 0.2261, 0.1814

Square

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



20.3897, 0.2748, 0.5062



20.3897, 0.1405, 0.2068



20.3897, 0.3223, 0.2116



20.3897, 0.5159, 0.4013

Rectangle

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



20.3897, 0.2748, 0.5062



20.3897, 0.1582, 0.3139



20.3897, 0.3223, 0.2116



20.3897, 0.4922, 0.3068

Sweetspot

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



20.3905, 0.2748, 0.5062



42.5274, 0.2912, 0.3731



21.7091, 0.3461, 0.5608



9.5976, 0.2887, 0.3798



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.



20.3905, 0.2748, 0.5062



35.8358, 0.2765, 0.5153



21.7795, 0.2293, 0.3434



6.0677, 0.3058, 0.3412



17.7139, 0.2752, 0.5107



0.1737, 0.2527, 0.4297

Inverse Universe

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



6.6037, 0.4672, 0.2373



11.4018, 0.4775, 0.2404



6.0457, 0.6264, 0.3262



5.4700, 0.3202, 0.3171



5.6509, 0.4726, 0.2377



0.0585, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 20.3897, 0.2748, 0.5062 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 20.3897, 0.2748, 0.5062 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 20.3897, 0.2748, 0.5062

Background



This preview shows how black text looks on a background with the Yxy color 20.3897, 0.2748, 0.5062.



This preview shows how white text looks on a background with the Yxy color 20.3897, 0.2748, 0.5062.

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

20.3897, 0.2748, 0.5062

Protanopia

20.0706, 0.4014, 0.4386

Deuteranopia

19.9489, 0.4089, 0.4013



Tritanopia

20.5557, 0.2343, 0.3068

Trichromacy



Original Color

20.3897, 0.2748, 0.5062



Protanomaly

18.7266, 0.3319, 0.4722



Deuteranomaly

18.1880, 0.3355, 0.4458



Tritanomaly

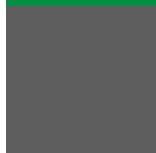
20.1666, 0.2467, 0.3751

Monochromacy



Original Color

20.3897, 0.2748, 0.5062



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.2363, 0.2814, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3897, 0.2748, 0.5062 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(4, 144, 68)` looks like.

```
.text, #text, p{  
    color:rgb(4, 144, 68)  
}
```

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(4, 144, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 144, 68) }
```

Border

The CSS property to change the border of an element to Yxy 20.3897, 0.2748, 0.5062 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(4, 144, 68) }
```

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

```
.border{ border-color:rgb(4, 144, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 144, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 144, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 144, 68);  
box-shadow:4px 4px 4px 4px rgb(4, 144, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3897, 0.2748, 0.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 144, 68) }
```

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

```
.background{ background-color: rgb(4, 144,  
68) }
```

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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