

Converting Colors

$Yxy(20.3798, 0.2744, 0.4805)$

Have a look what the booklet for
Yxy(20.3798, 0.2744, 0.4805)
contains.

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Color

$\text{Yxy}(20.4420, 0.2748, 0.4814)$

Conversions

Conversions Part 1

Format	Color
Hex	1D8F4D
RGB	29, 143, 77
RGB Percent	11%, 56%, 30%
CMY	0.8862, 0.4392, 0.6980
CMYK	0.80, 0.00, 0.46, 0.44
HSL	145°, 66%, 34%
HSV	145°, 80%, 56%
XYZ	11.6690, 20.4420, 10.3526
YIQ	101.3900, -46.7580, -44.6940

Conversions

Conversions Part 2

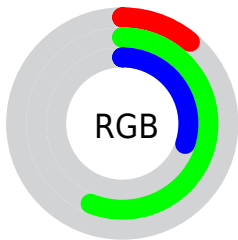
Format	Color
R_{YB}	29, 109, 143
Decimal	1937229
CIE _{Lab}	52.33, -46.04, 26.53
CIE _{LCh}	52, 53.134, 150.043
Y _{xy}	20.4420, 0.2748, 0.4814
Android (android.graphics.Color)	4280127309 (0xFF1D8F4D)
YUV	101.3900, -12.0243, -63.4860
Hunter-Lab	45.2128, -33.0533, 18.0730

Details

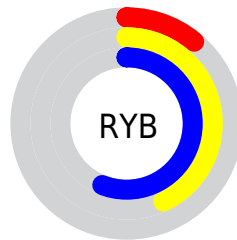
The Yxy color **20.4420, 0.2748, 0.4814** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.5454, 0.4200, 0.2291**, and the grayscale version is **13.1621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2476, 0.2857, 0.4429**, and **7.5811, 0.2825, 0.5369** is the 20% darker color. If you saturate the color by 10%, you get **20.1710, 0.2760, 0.5024**, and if you desaturate by 10%, it is **20.8263, 0.2754, 0.4595**.

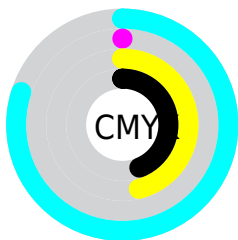
Distribution



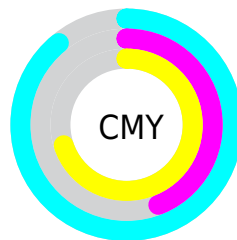
- Red (11%)
- Green (56%)
- Blue (30%)



- Red (11%)
- Yellow (43%)
- Blue (56%)



- Cyan (80%)
- Magenta (0%)
- Yellow (46%)
- Black (44%)




- Cyan (89%)
- Magenta (44%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4420, 0.2748, 0.4814 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 20.4420, 0.2748, 0.4814 by changing the saturation by 10% instead.


 20.4420, 0.2748,
0.4814


 20.4420, 0.2748,
0.4814

254.2980, 0.2997,
0.3888


 12.7167, 0.2654,
0.5121


 44.1570, 0.2859,
0.4427


 7.2338, 0.2505,
0.5574


 60.9155, 0.2893,
0.4298


 3.6087, 0.2246,
0.6294

 81.4539, 0.2920,
0.4195

 1.4572, 0.1066,
0.8934

 106.1566, 0.2942,
0.4111

 0.2583, 0.0000,
1.0000

 135.4080, 0.2960,
0.4041

 0.0000, 0.0000,
0.0000

 169.5924, 0.2974,

0.3982

209.0942, 0.2986,
0.3932

■ 20.4420, 0.2748,
0.4814

■ 20.4420, 0.2748,
0.4814

■ 20.1710, 0.2760,
0.5024

■ 20.8263, 0.2754,
0.4595

■ 19.9792, 0.2785,
0.5221

■ 21.3338, 0.2777,
0.4374

■ 19.9740, 0.2785,
0.5227

■ 21.9761, 0.2816,
0.4159

■ 22.7625, 0.2866,
0.3954

■ 23.7017, 0.2925,
0.3762

■ 24.8016, 0.2990,
0.3587

■ 26.0696, 0.3059,
0.3428

■ 27.5124, 0.3129,
0.3286

■ 29.1367, 0.3199,
0.3160

Harmonies

Analogous

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



20.4420, 0.3647, 0.5096



20.4420, 0.2748, 0.4814



20.4420, 0.2003, 0.3827

Triad

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



20.4420, 0.2748, 0.4814



20.4420, 0.1802, 0.1895



20.4420, 0.4939, 0.3362

Complementary

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



20.4420, 0.2748, 0.4814



7.5454, 0.4200, 0.2291

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.



20.4420, 0.4282, 0.2739



20.4420, 0.2748, 0.4814



20.4420, 0.2388, 0.1938

Square

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



20.4420, 0.2748, 0.4814



20.4420, 0.1542, 0.2153



20.4420, 0.3286, 0.2236



20.4420, 0.4970, 0.4036

Rectangle

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



20.4420, 0.2748, 0.4814



20.4420, 0.1691, 0.3105



20.4420, 0.3286, 0.2236



20.4420, 0.4783, 0.3146

Sweetspot

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



20.4428, 0.2748, 0.4814



43.4335, 0.2959, 0.3669



22.1944, 0.3555, 0.5325



9.8181, 0.2938, 0.3726



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.



20.4428, 0.2748, 0.4814



35.8488, 0.2783, 0.5187



21.6143, 0.2355, 0.3487



6.0647, 0.3063, 0.3420



17.6643, 0.2783, 0.5217



0.1731, 0.2553, 0.4389

Inverse Universe

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



7.5454, 0.4200, 0.2291



11.7652, 0.4550, 0.2304



6.8623, 0.5627, 0.3184



5.4731, 0.3197, 0.3163



5.7169, 0.4583, 0.2298



0.0591, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 20.4420, 0.2748, 0.4814 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 20.4420, 0.2748, 0.4814 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 20.4420, 0.2748, 0.4814

Background



This preview shows how black text looks on a background with the Yxy color 20.4420, 0.2748, 0.4814.



This preview shows how white text looks on a background with the Yxy color 20.4420, 0.2748, 0.4814.

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

20.4420, 0.2748, 0.4814

Protanopia

20.0917, 0.3908, 0.4252

Deuteranopia

20.2077, 0.3971, 0.3904



Tritanopia

20.3639, 0.2368, 0.3068

Trichromacy



Original Color

20.4420, 0.2748, 0.4814



Protanomaly

19.2550, 0.3331, 0.4502



Deuteranomaly

19.0357, 0.3360, 0.4255



Tritanomaly

20.2104, 0.2498, 0.3656

Monochromacy



Original Color

20.4420, 0.2748, 0.4814



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

14.7593, 0.2898, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4420, 0.2748, 0.4814 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(29, 143, 77)` looks like.

```
.text, #text, p{  
  color:rgb(29, 143, 77)  
}
```

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(29, 143, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 143, 77) }
```

Border

The CSS property to change the border of an element to Yxy 20.4420, 0.2748, 0.4814 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(29, 143, 77) }
```

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

```
.border{ border-color:rgb(29, 143, 77) }
```

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

Here you see how a box with a 4 pixel rgb(29, 143, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 143, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 143, 77);  
box-shadow:4px 4px 4px 4px rgb(29, 143,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4420, 0.2748, 0.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 143, 77) }
```

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

```
.background{ background-color: rgb(29, 143,  
77) }
```

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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