

Converting Colors

$Y_{xy}(20.4311, 0.2777, 0.4892)$

Have a look what the booklet for
 $Y_{xy}(20.4311, 0.2777, 0.4892)$
contains.

$Y_{xy}(20.4154, 0.2773, 0.4882)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.4154, 0.2773, 0.4882)

Conversions

Conversions Part 1

Format	Color
Hex	1E8F4A
RGB	30, 143, 74
RGB Percent	12%, 56%, 29%
CMY	0.8819, 0.4392, 0.7098
CMYK	0.79, 0.00, 0.48, 0.44
HSL	143°, 65%, 34%
HSV	143°, 79%, 56%
XYZ	11.5960, 20.4154, 9.8063
YIQ	101.3470, -45.1990, -45.4150

Conversions

Conversions Part 2

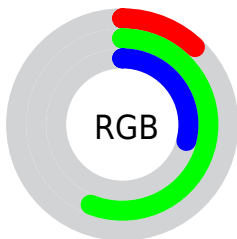
Format	Color
R_{YB}	30, 111, 143
Decimal	2002762
CIE _{Lab}	52.30, -46.43, 28.12
CIE _{LCh}	52, 54.276, 148.801
Y _{xy}	20.4154, 0.2773, 0.4882
Android (android.graphics.Color)	4280192842 (0xFF1E8F4A)
YUV	101.3470, -13.4821, -62.5713
Hunter-Lab	45.1834, -33.2600, 18.7605

Details

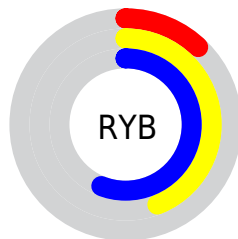
The Yxy color **20.4154, 0.2773, 0.4882** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.6767, 0.4096, 0.2238**, and the grayscale version is **13.1611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2231, 0.2880, 0.4477**, and **7.5613, 0.2857, 0.5484** is the 20% darker color. If you saturate the color by 10%, you get **20.1373, 0.2785, 0.5101**, and if you desaturate by 10%, it is **20.8093, 0.2779, 0.4652**.

Distribution



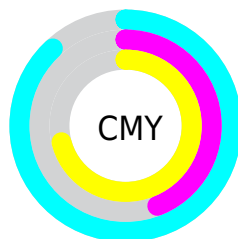
- Red (12%)
- Green (56%)
- Blue (29%)



- Red (12%)
- Yellow (44%)
- Blue (56%)



- Cyan (79%)
- Magenta (0%)
- Yellow (48%)
- Black (44%)





- Cyan (88%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4154, 0.2773, 0.4882 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 20.4154, 0.2773, 0.4882 by changing the saturation by 10% instead.


 20.4154, 0.2773,
0.4882


 20.4154, 0.2773,
0.4882

254.1551, 0.3011,
0.3914


 12.6974, 0.2680,
0.5203


 44.1125, 0.2881,
0.4477

 7.2205, 0.2530,
0.5674


 60.8604, 0.2914,
0.4342


 3.6004, 0.2272,
0.6436

 81.3871, 0.2940,
0.4235

 1.4526, 0.0999,
0.9001

 106.0768, 0.2960,
0.4147

 0.2550, 0.0000,
1.0000

 135.3141, 0.2976,
0.4074

 0.0000, 0.0000,
0.0000

 169.4833, 0.2990,

0.4012

208.9689, 0.3001,
0.3959

■ 20.4154, 0.2773,
0.4882

■ 20.4154, 0.2773,
0.4882

■ 20.1373, 0.2785,
0.5101

■ 20.8093, 0.2779,
0.4652

■ 19.9445, 0.2810,
0.5303

■ 21.3288, 0.2801,
0.4420

■ 19.9257, 0.2812,
0.5323

■ 21.9854, 0.2838,
0.4193

■ 22.7886, 0.2886,
0.3976

■ 23.7471, 0.2942,
0.3775

■ 24.8688, 0.3004,
0.3590

■ 26.1610, 0.3068,
0.3424

■ 27.6307, 0.3134,
0.3275

■ 29.2845, 0.3199,
0.3143

Harmonies

Analogous

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



20.4154, 0.3688, 0.5129



20.4154, 0.2773, 0.4882



20.4154, 0.2004, 0.3886

Triad

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



20.4154, 0.2773, 0.4882



20.4154, 0.1761, 0.1875



20.4154, 0.4961, 0.3331

Complementary

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



20.4154, 0.2773, 0.4882



7.6767, 0.4096, 0.2238

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.



20.4154, 0.4268, 0.2703



20.4154, 0.2773, 0.4882



20.4154, 0.2342, 0.1909

Square

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



20.4154, 0.2773, 0.4882



20.4154, 0.1511, 0.2149



20.4154, 0.3245, 0.2200



20.4154, 0.5015, 0.4013

Rectangle

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



20.4154, 0.2773, 0.4882



20.4154, 0.1679, 0.3140



20.4154, 0.3245, 0.2200



20.4154, 0.4794, 0.3113

Sweetspot

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



20.4162, 0.2773, 0.4882



43.3831, 0.2969, 0.3691



22.4322, 0.3598, 0.5281



9.8054, 0.2950, 0.3751



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.



20.4162, 0.2773, 0.4882



35.7919, 0.2807, 0.5264



21.5290, 0.2382, 0.3567



6.0619, 0.3067, 0.3428



17.6226, 0.2809, 0.5314



0.1726, 0.2577, 0.4478

Inverse Universe

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



7.6767, 0.4096, 0.2238



11.9539, 0.4408, 0.2230



6.9501, 0.5513, 0.3131



5.4760, 0.3192, 0.3156



5.7819, 0.4454, 0.2228



0.0596, 0.3789, 0.1861

Previews

White Background



This preview shows how the Yxy color 20.4154, 0.2773, 0.4882 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 20.4154, 0.2773, 0.4882 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 20.4154, 0.2773, 0.4882

Background



This preview shows how black text looks on a background with the Yxy color 20.4154, 0.2773, 0.4882.



This preview shows how white text looks on a background with the Yxy color 20.4154, 0.2773, 0.4882.

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

20.4154, 0.2773, 0.4882

Protanopia

20.0548, 0.3939, 0.4300

Deuteranopia

19.9256, 0.4015, 0.3937



Tritanopia

20.3954, 0.2373, 0.3068

Trichromacy



Original Color

20.4154, 0.2773, 0.4882

Protanomaly

19.2162, 0.3359, 0.4562

Deuteranomaly

18.7930, 0.3408, 0.4295

Tritanomaly

20.2111, 0.2510, 0.3678

Monochromacy



Original Color

20.4154, 0.2773, 0.4882

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.7420, 0.2909, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4154, 0.2773, 0.4882 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(30, 143, 74)` looks like.

```
.text, #text, p{  
    color:rgb(30, 143, 74)  
}
```

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(30, 143, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 143, 74) }
```

Border

The CSS property to change the border of an element to Yxy 20.4154, 0.2773, 0.4882 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(30, 143, 74) }
```

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

```
.border{ border-color:rgb(30, 143, 74) }
```

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

Here you see how a box with a 4 pixel rgb(30, 143, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 143, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 143, 74);  
box-shadow:4px 4px 4px 4px rgb(30, 143,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4154, 0.2773, 0.4882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 143, 74) }
```

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

```
.background{ background-color: rgb(30, 143,  
74) }
```

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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