

Converting Colors

$Y_{xy}(20.1088, 0.2846, 0.4270)$

Have a look what the booklet for
Yxy(20.1088, 0.2846, 0.4270)
contains.

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Color

$Y_{xy}(20.1962, 0.2850, 0.4280)$

Conversions

Conversions Part 1

Format	Color
Hex	448A5D
RGB	68, 138, 93
RGB Percent	27%, 54%, 36%
CMY	0.7333, 0.4588, 0.6353
CMYK	0.51, 0.00, 0.33, 0.46
HSL	141°, 34%, 40%
HSV	141°, 51%, 54%
XYZ	13.4484, 20.1962, 13.5428
YIQ	111.9400, -27.2750, -28.8350

Conversions

Conversions Part 2

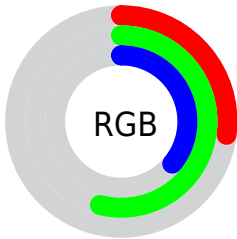
Format	Color
RYB	68, 120, 138
Decimal	4491869
CIELab	52.06, -32.81, 17.51
CIElCh	52, 37.190, 151.916
Yxy	20.1962, 0.2850, 0.4280
Android (android.graphics.Color)	4282681949 (0xFF448A5D)
YUV	111.9400, -9.3374, -38.5354
Hunter-Lab	44.9402, -25.2290, 13.5910

Details

The Yxy color **20.1962, 0.2850, 0.4280** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.7322, 0.3600, 0.2487**, and the grayscale version is **16.2196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7778, 0.2922, 0.4027**, and **7.0732, 0.2692, 0.4735** is the 20% darker color. If you saturate the color by 10%, you get **19.6095, 0.2818, 0.4520**, and if you desaturate by 10%, it is **20.9196, 0.2893, 0.4050**.

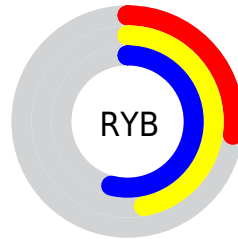
Distribution



Red (27%)

Green (54%)

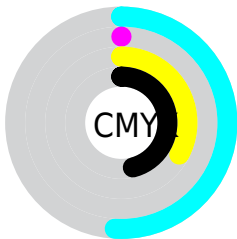
Blue (36%)



Red (27%)

Yellow (47%)

Blue (54%)

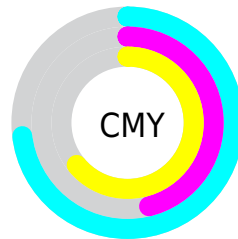


Cyan (51%)

Magenta (0%)

Yellow (33%)

Black (46%)



Cyan (73%)


Magenta (46%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1962, 0.2850, 0.4280 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 20.1962, 0.2850, 0.4280 by changing the saturation by 10% instead.


 20.1962, 0.2850,
0.4280


 20.1962, 0.2850,
0.4280


252.9753, 0.3023,
0.3688


 12.5377, 0.2790,
0.4474


 43.7459, 0.2924,
0.4035


 7.1110, 0.2697,
0.4760


 60.4059, 0.2948,
0.3952

 3.5316, 0.2540,
0.5220

 80.8352, 0.2967,
0.3886

 1.4152, 0.2215,
0.6699

 105.4183, 0.2982,
0.3832

 0.2279, 0.0000,
1.0000

 134.5394, 0.2995,
0.3787

 0.0000, 0.0000,
0.0000

168.5830, 0.3006,

0.3749

207.9335, 0.3015,
0.3716

■ 20.1962, 0.2850,
0.4280

■ 20.1962, 0.2850,
0.4280

■ 19.6095, 0.2818,
0.4520

■ 20.9196, 0.2893,
0.4050

■ 19.1482, 0.2800,
0.4762

■ 21.7854, 0.2945,
0.3835

■ 18.8029, 0.2798,
0.4999

■ 22.8018, 0.3002,
0.3638

■ 18.5619, 0.2813,
0.5221

■ 23.9757, 0.3062,
0.3460

■ 18.4013, 0.2836,
0.5408

■ 25.3137, 0.3123,
0.3301

■ 26.8219, 0.3183,
0.3160

■ 28.5061, 0.3242,
0.3035

■ 30.3717, 0.3299,
0.2926

■ 32.4241, 0.3354,
0.2831

Harmonies

Analogous

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



20.1962, 0.3513, 0.4551



20.1962, 0.2850, 0.4280



20.1962, 0.2296, 0.3627

Triad

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



20.1962, 0.2850, 0.4280



20.1962, 0.2164, 0.2248



20.1962, 0.4424, 0.3425

Complementary

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



20.1962, 0.2850, 0.4280



10.7322, 0.3600, 0.2487

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.



20.1962, 0.3982, 0.2929



20.1962, 0.2850, 0.4280



20.1962, 0.2636, 0.2283

Square

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



20.1962, 0.2850, 0.4280



20.1962, 0.1941, 0.2456



20.1962, 0.3300, 0.2526



20.1962, 0.4456, 0.3940

Rectangle

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



20.1962, 0.2850, 0.4280



20.1962, 0.2056, 0.3149



20.1962, 0.3300, 0.2526



20.1962, 0.4317, 0.3254

Sweetspot

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



20.1970, 0.2850, 0.4280



41.2721, 0.3034, 0.3540



22.1393, 0.3544, 0.4613



9.1735, 0.3023, 0.3572



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.1970, 0.2850, 0.4280



34.4207, 0.2814, 0.4558



20.9524, 0.2566, 0.3505



5.6358, 0.3071, 0.3434



16.8736, 0.2834, 0.5401



0.1147, 0.2603, 0.4570

Inverse Universe

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



10.7322, 0.3600, 0.2487



15.7395, 0.3757, 0.2333



10.0968, 0.4283, 0.3101



5.0992, 0.3188, 0.3150



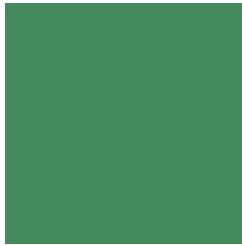
5.6144, 0.4328, 0.2158



0.0401, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 20.1962, 0.2850, 0.4280 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 20.1962, 0.2850, 0.4280 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 20.1962, 0.2850, 0.4280

Background



This preview shows how black text looks on a background with the Yxy color 20.1962, 0.2850, 0.4280.



This preview shows how white text looks on a background with the Yxy color 20.1962, 0.2850, 0.4280.

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

20.1962, 0.2850, 0.4280

Protanopia

19.8406, 0.3681, 0.3953

Deuteranopia

19.9860, 0.3728, 0.3678



Tritanopia

20.2049, 0.2529, 0.3092

Trichromacy



Original Color

20.1962, 0.2850, 0.4280

Protanomaly

19.4108, 0.3325, 0.4078

Deuteranomaly

19.4792, 0.3342, 0.3881

Tritanomaly

20.0419, 0.2642, 0.3496

Monochromacy



Original Color

20.1962, 0.2850, 0.4280

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1815, 0.3003, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1962, 0.2850, 0.4280 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(68, 138, 93)` looks like.

```
.text, #text, p{  
    color:rgb(68, 138, 93)  
}
```

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(68, 138, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 138, 93) }
```

Border

The CSS property to change the border of an element to Yxy 20.1962, 0.2850, 0.4280 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(68, 138, 93) }
```

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

```
.border{ border-color:rgb(68, 138, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 138, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 138, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 138, 93);  
box-shadow:4px 4px 4px 4px rgb(68, 138,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1962, 0.2850, 0.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 138, 93) }
```

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

```
.background{ background-color: rgb(68, 138,  
93) }
```

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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