

Converting Colors

$Y_{xy}(20.2743, 0.3064, 0.4194)$

Have a look what the booklet for
Yxy(20.2743, 0.3064, 0.4194)
contains.

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Color

$Y_{xy}(20.2743, 0.3064, 0.4194)$

Conversions

Conversions Part 1

Format	Color
Hex	5A875C
RGB	90, 135, 92
RGB Percent	35%, 53%, 36%
CMY	0.6471, 0.4706, 0.6393
CMYK	0.33, 0.00, 0.32, 0.47
HSL	123°, 20%, 44%
HSV	123°, 33%, 53%
XYZ	14.8117, 20.2743, 13.2552
YIQ	116.6430, -13.0170, -22.9130

Conversions

Conversions Part 2

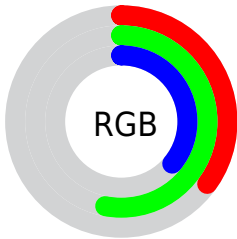
Format	Color
R_{YB}	90, 133, 135
Decimal	5932892
CIE _{Lab}	52.15, -24.67, 18.37
CIE _{LCh}	52, 30.756, 143.322
Yxy	20.2743, 0.3064, 0.4194
Android (android.graphics.Color)	4284122972 (0xFF5A875C)
YUV	116.6430, -12.1490, -23.3659
Hunter-Lab	45.0270, -20.0792, 14.0650

Details

The Yxy color $20.2743, 0.3064, 0.4194$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.1574, 0.3192, 0.2527$, and the grayscale version is $17.7143, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.1291, 0.3087, 0.3971$, and $7.1657, 0.2995, 0.4610$ is the 20% darker color. If you saturate the color by 10%, you get $19.4518, 0.3044, 0.4521$, and if you desaturate by 10%, it is $21.2599, 0.3084, 0.3889$.

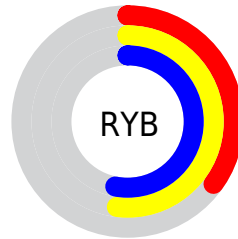
Distribution



Red (35%)

Green (53%)

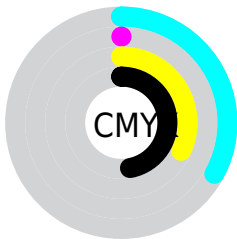
Blue (36%)



Red (35%)

Yellow (52%)

Blue (53%)

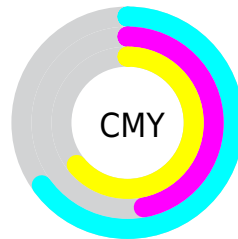


Cyan (33%)

Magenta (0%)

Yellow (32%)

Black (47%)



Cyan (65%)

Magenta (47%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2743, 0.3064, 0.4194 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 20.2743, 0.3064, 0.4194 by changing the saturation by 10% instead.


 20.2743, 0.3064,
0.4194


 20.2743, 0.3064,
0.4194


253.3962, 0.3112,
0.3657


 12.5946, 0.3042,
0.4367


 43.8766, 0.3088,
0.3973


 7.1500, 0.3004,
0.4620


 60.5680, 0.3094,
0.3899


 3.5561, 0.2931,
0.5022

 81.0320, 0.3099,
0.3839

 1.4285, 0.2959,
0.6254

 105.6531, 0.3103,
0.3789

 0.2376, 0.0000,
1.0000

 134.8157, 0.3106,
0.3748

 0.0000, 0.0000,
0.0000

168.9042, 0.3109,

0.3713

208.3029, 0.3111,
0.3683

■ 20.2743, 0.3064,
0.4194

■ 20.2743, 0.3064,
0.4194

■ 19.4518, 0.3044,
0.4521

■ 21.2599, 0.3084,
0.3889

■ 18.7812, 0.3026,
0.4856

■ 22.4141, 0.3103,
0.3612

■ 18.2540, 0.3010,
0.5182


■ 23.7451, 0.3121,
0.3365

■ 17.8598, 0.2999,
0.5476


■ 25.2599, 0.3138,
0.3149


■ 17.5866, 0.2993,
0.5715

■ 26.9652, 0.3153,
0.2962

 17.4203, 0.2992,
0.5883

 28.8672, 0.3167,
0.2799

 17.3420, 0.2989,
0.5960

 30.9720, 0.3180,
0.2660

 33.2852, 0.3191,
0.2539

 35.8124, 0.3201,
0.2435

Harmonies

Analogous

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



20.2743, 0.3617, 0.4321



20.2743, 0.3064, 0.4194



20.2743, 0.2555, 0.3737

Triad

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



20.2743, 0.3064, 0.4194



20.2743, 0.2238, 0.2442



20.2743, 0.4123, 0.3294

Complementary

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



20.2743, 0.3064, 0.4194



14.1574, 0.3192, 0.2527

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.



20.2743, 0.3685, 0.2882



20.2743, 0.3064, 0.4194



20.2743, 0.2586, 0.2409

Square

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



20.2743, 0.3064, 0.4194



20.2743, 0.2110, 0.2694



20.2743, 0.3109, 0.2568



20.2743, 0.4259, 0.3735

Rectangle

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



20.2743, 0.3064, 0.4194



20.2743, 0.2305, 0.3348



20.2743, 0.3109, 0.2568



20.2743, 0.4005, 0.3150

Sweetspot

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



20.2752, 0.3064, 0.4194



40.8440, 0.3109, 0.3532



23.0948, 0.3591, 0.4093



9.3938, 0.3107, 0.3563



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.



20.2752, 0.3064, 0.4194



35.1662, 0.3049, 0.4440



20.7176, 0.2857, 0.3718



5.2078, 0.3111, 0.3504



15.9912, 0.2988, 0.5958



0.0556, 0.2936, 0.5769

Inverse Universe

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



14.1574, 0.3192, 0.2527



22.4548, 0.3208, 0.2360



13.6113, 0.3520, 0.2901



4.7594, 0.3143, 0.3085



6.2127, 0.3320, 0.1602



0.0218, 0.3260, 0.1569

Previews

White Background



This preview shows how the Yxy color 20.2743, 0.3064, 0.4194 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 20.2743, 0.3064, 0.4194 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 20.2743, 0.3064, 0.4194

Background



This preview shows how black text looks on a background with the Yxy color 20.2743, 0.3064, 0.4194.



This preview shows how white text looks on a background with the Yxy color 20.2743, 0.3064, 0.4194.

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

20.2743, 0.3064, 0.4194

Protanopia

20.1718, 0.3689, 0.3967

Deuteranopia

20.0579, 0.3754, 0.3693



Tritanopia

20.2172, 0.2705, 0.3097

Trichromacy



Original Color

20.2743, 0.3064, 0.4194

Protanomaly

20.0112, 0.3438, 0.4049

Deuteranomaly

19.8534, 0.3472, 0.3860

Tritanomaly

20.1245, 0.2836, 0.3469

Monochromacy



Original Color

20.2743, 0.3064, 0.4194

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.6238, 0.3100, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2743, 0.3064, 0.4194 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(90, 135, 92)` looks like.

```
.text, #text, p{  
    color:rgb(90, 135, 92)  
}
```

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(90, 135, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 92) }
```

Border

The CSS property to change the border of an element to Yxy 20.2743, 0.3064, 0.4194 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(90, 135, 92) }
```

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

```
.border{ border-color:rgb(90, 135, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 92);  
box-shadow:4px 4px 4px 4px rgb(90, 135,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2743, 0.3064, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 92) }
```

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

```
.background{ background-color: rgb(90, 135,  
92) }
```

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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