

Converting Colors

$Y_{xy}(20.6931, 0.3085, 0.4191)$

Have a look what the booklet for
Yxy(20.6931, 0.3085, 0.4191)
contains.

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Color

Yxy(20.7258, 0.3085, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	5D885D
RGB	93, 136, 93
RGB Percent	36%, 53%, 36%
CMY	0.6354, 0.4666, 0.6352
CMYK	0.32, 0.00, 0.32, 0.47
HSL	120°, 19%, 45%
HSV	120°, 32%, 53%
XYZ	15.2928, 20.7258, 13.5528
YIQ	118.2410, -11.8250, -22.4890

Conversions

Conversions Part 2

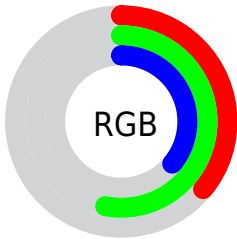
Format	Color
R_{YB}	93, 136, 136
Decimal	6129757
CIE _{Lab}	52.65, -23.95, 18.50
CIE _{LCh}	53, 30.262, 142.315
Yxy	20.7258, 0.3085, 0.4181
Android (android.graphics.Color)	4284319837 (0xFF5D885D)
YUV	118.2410, -12.4438, -22.1364
Hunter-Lab	45.5256, -19.7088, 14.2175

Details

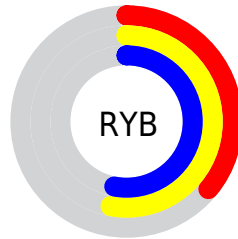
The Yxy color **20.7258, 0.3085, 0.4181** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8363, 0.3163, 0.2535**, and the grayscale version is **18.2380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8603, 0.3103, 0.3964**, and **7.3883, 0.3037, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **19.8593, 0.3069, 0.4519**, and if you desaturate by 10%, it is **21.7631, 0.3100, 0.3866**.

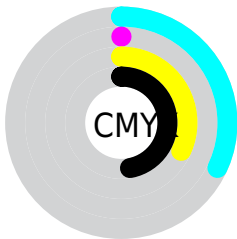
Distribution



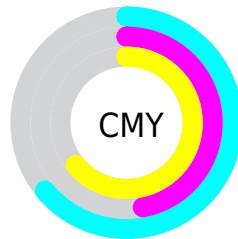
- Red (36%)
- Green (53%)
- Blue (36%)



- Red (36%)
- Yellow (53%)
- Blue (53%)



- Cyan (32%)
- Magenta (0%)
- Yellow (32%)
- Black (47%)




- Cyan (64%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7258, 0.3085, 0.4181 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 20.7258, 0.3085, 0.4181 by changing the saturation by 10% instead.


 20.7258, 0.3085,
0.4181


 20.7258, 0.3085,
0.4181


255.8177, 0.3121,
0.3654


 12.9237, 0.3067,
0.4350


 44.6307, 0.3103,
0.3965


 7.3760, 0.3036,
0.4595


 61.5024, 0.3109,
0.3892

 3.6984, 0.2973,
0.4982

 82.1660, 0.3112,
0.3833

 1.5063, 0.3004,
0.6065

 107.0060, 0.3115,
0.3784

 0.2932, 0.0000,
1.0000

136.4068, 0.3117,
0.3744

 0.0000, 0.0000,
0.0000

170.7527, 0.3119,

0.3709

210.4282, 0.3120,
0.3680

■ 20.7258, 0.3085,
0.4181

■ 20.7258, 0.3085,
0.4181

■ 19.8593, 0.3069,
0.4519

■ 21.7631, 0.3100,
0.3866

■ 19.1520, 0.3053,
0.4866

■ 22.9768, 0.3113,
0.3581

■ 18.5950, 0.3037,
0.5202


■ 24.3755, 0.3125,
0.3328


■ 18.1774, 0.3023,
0.5502


■ 25.9667, 0.3136,
0.3108


■ 17.8870, 0.3012,
0.5742

■ 27.7571, 0.3145,
0.2917


 17.7092, 0.3004,
0.5904

 29.7533, 0.3153,
0.2752

 17.6104, 0.3000,
0.5999

 31.9616, 0.3159,
0.2611

 34.3879, 0.3165,
0.2489

 37.0381, 0.3170,
0.2384

Harmonies

Analogous

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



20.7258, 0.3625, 0.4295



20.7258, 0.3085, 0.4181



20.7258, 0.2583, 0.3744

Triad

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



20.7258, 0.3085, 0.4181



20.7258, 0.2249, 0.2466



20.7258, 0.4090, 0.3281

Complementary

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



20.7258, 0.3085, 0.4181



14.8363, 0.3163, 0.2535

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.



20.7258, 0.3655, 0.2878



20.7258, 0.3085, 0.4181



20.7258, 0.2584, 0.2425

Square

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



20.7258, 0.3085, 0.4181



20.7258, 0.2131, 0.2721



20.7258, 0.3091, 0.2575



20.7258, 0.4234, 0.3714

Rectangle

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



20.7258, 0.3085, 0.4181



20.7258, 0.2334, 0.3367



20.7258, 0.3091, 0.2575



20.7258, 0.3971, 0.3140

Sweetspot

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



20.7267, 0.3085, 0.4181



41.0590, 0.3116, 0.3516



23.6349, 0.3586, 0.4049



9.4383, 0.3115, 0.3550



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.



20.7267, 0.3085, 0.4181



35.3951, 0.3074, 0.4422



21.1623, 0.2883, 0.3724



5.6083, 0.3116, 0.3515



16.6660, 0.3000, 0.5999



0.1107, 0.2999, 0.5996

Inverse Universe

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



14.8363, 0.3163, 0.2535



23.3111, 0.3171, 0.2369



14.2857, 0.3472, 0.2895



5.1289, 0.3137, 0.3075



6.6335, 0.3211, 0.1543



0.0441, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.7258, 0.3085, 0.4181 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 20.7258, 0.3085, 0.4181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

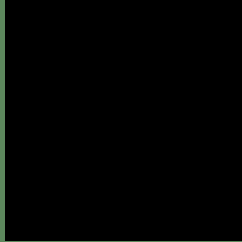
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.7258, 0.3085, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 20.7258, 0.3085, 0.4181.



This preview shows how white text looks on a background with the Yxy color 20.7258, 0.3085, 0.4181.

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

20.7258, 0.3085, 0.4181

Protanopia

20.5227, 0.3685, 0.3962

Deuteranopia

20.4805, 0.3775, 0.3706



Tritanopia

20.6835, 0.2727, 0.3100

Trichromacy



Original Color

20.7258, 0.3085, 0.4181

Protanomaly

20.4318, 0.3449, 0.4040

Deuteranomaly

20.2600, 0.3494, 0.3873

Tritanomaly

20.5852, 0.2858, 0.3467

Monochromacy



Original Color

20.7258, 0.3085, 0.4181

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0226, 0.3112, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7258, 0.3085, 0.4181 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(93, 136, 93)` looks like.

```
.text, #text, p{  
    color:rgb(93, 136, 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(93, 136, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 136, 93) }
```

Border

The CSS property to change the border of an element to Yxy 20.7258, 0.3085, 0.4181 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(93, 136, 93) }
```

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

```
.border{ border-color:rgb(93, 136, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 136, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 136, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 136, 93);  
box-shadow:4px 4px 4px 4px rgb(93, 136,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7258, 0.3085, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 136, 93) }
```

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

```
.background{ background-color: rgb(93, 136,  
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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