

Converting Colors

$Y_{xy}(20.6825, 0.3038, 0.3791)$

Have a look what the booklet for
Yxy(20.6825, 0.3038, 0.3791)
contains.

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Color

$Y_{xy}(20.6825, 0.3038, 0.3791)$

Conversions

Conversions Part 1

Format	Color
Hex	66856C
RGB	102, 133, 108
RGB Percent	40%, 52%, 42%
CMY	0.5999, 0.4784, 0.5765
CMYK	0.23, 0.00, 0.19, 0.48
HSL	132°, 13%, 46%
HSV	132°, 23%, 52%
XYZ	16.5744, 20.6825, 17.3000
YIQ	120.8810, -10.4510, -14.3470

Conversions

Conversions Part 2

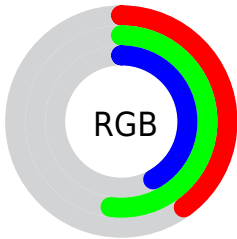
Format	Color
R_{YB}	102, 128, 133
Decimal	6718828
CIE _{Lab}	52.60, -16.35, 9.95
CIE _{LCh}	53, 19.140, 148.669
Y _{xy}	20.6825, 0.3038, 0.3791
Android (android.graphics.Color)	4284908908 (0xFF66856C)
YUV	120.8810, -6.3503, -16.5586
Hunter-Lab	45.4780, -14.5326, 9.2805

Details

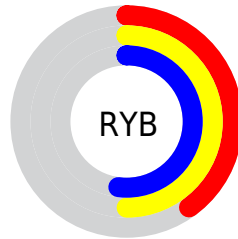
The Yxy color **20.6825, 0.3038, 0.3791** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.0264, 0.3231, 0.2836**, and the grayscale version is **19.1045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4910, 0.3068, 0.3675**, and **7.3077, 0.2982, 0.3993** is the 20% darker color. If you saturate the color by 10%, you get **19.7527, 0.3001, 0.4047**, and if you desaturate by 10%, it is **21.7669, 0.3076, 0.3559**.

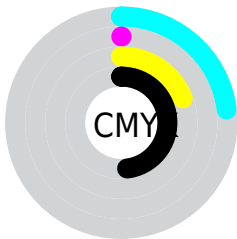
Distribution



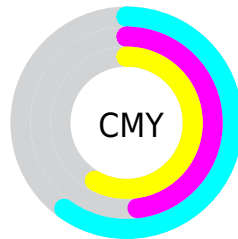
- Red (40%)
- Green (52%)
- Blue (42%)



- Red (40%)
- Yellow (50%)
- Blue (52%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (48%)




- Cyan (60%)
- Magenta (48%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6825, 0.3038, 0.3791 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 20.6825, 0.3038, 0.3791 by changing the saturation by 10% instead.


 20.6825, 0.3038,
0.3791


 20.6825, 0.3038,
0.3791


255.5863, 0.3093,
0.3499

 12.8921, 0.3019,
0.3883


 44.5585, 0.3061,
0.3672


 7.3543, 0.2991,
0.4016


 61.4130, 0.3069,
0.3632

 3.6846, 0.2945,
0.4225

 82.0575, 0.3075,
0.3599

 1.4988, 0.2859,
0.4610

 106.8766, 0.3080,
0.3572

 0.2879, 0.0000,
1.0000

136.2547, 0.3084,
0.3549

 0.0000, 0.0000,
0.0000

170.5760, 0.3087,

0.3530

210.2251, 0.3090,
0.3513

■ 20.6825, 0.3038,
0.3791

■ 20.6825, 0.3038,
0.3791

■ 19.7527, 0.3001,
0.4047

■ 21.7669, 0.3076,
0.3559

■ 18.9679, 0.2968,
0.4323

■ 23.0098, 0.3115,
0.3353

■ 18.3216, 0.2940,
0.4613

■ 24.4183, 0.3152,
0.3170

■ 17.8055, 0.2921,
0.4907

■ 25.9980, 0.3188,
0.3011

■ 17.4106, 0.2912,
0.5189

■ 27.7546, 0.3222,
0.2872

■ 17.1266, 0.2915,
0.5445

■ 29.6932, 0.3254,
0.2751

■ 16.9414, 0.2929,
0.5658

■ 31.8191, 0.3284,
0.2646

■ 16.8480, 0.2938,
0.5776

■ 34.1369, 0.3311,
0.2555

■ 36.6514, 0.3337,
0.2475

Harmonies

Analogous

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



20.6825, 0.3388, 0.3918



20.6825, 0.3038, 0.3791



20.6825, 0.2724, 0.3504

Triad

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



20.6825, 0.3038, 0.3791



20.6825, 0.2590, 0.2737



20.6825, 0.3769, 0.3360

Complementary

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



20.6825, 0.3038, 0.3791



16.0264, 0.3231, 0.2836

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.



20.6825, 0.3532, 0.3078



20.6825, 0.3038, 0.3791



20.6825, 0.2844, 0.2730

Square

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



20.6825, 0.3038, 0.3791



20.6825, 0.2477, 0.2887



20.6825, 0.3187, 0.2854



20.6825, 0.3822, 0.3641

Rectangle

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



20.6825, 0.3038, 0.3791



20.6825, 0.2575, 0.3275



20.6825, 0.3187, 0.2854



20.6825, 0.3708, 0.3263

Sweetspot

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



20.6834, 0.3038, 0.3791



40.3109, 0.3100, 0.3430



22.2716, 0.3395, 0.3860



9.0587, 0.3098, 0.3439



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.6834, 0.3038, 0.3791



36.1159, 0.3018, 0.3925



21.0359, 0.2888, 0.3481



5.2183, 0.3092, 0.3470



16.0489, 0.2937, 0.5773



0.0564, 0.2756, 0.5122

Inverse Universe

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



16.0264, 0.3231, 0.2836



26.2411, 0.3260, 0.2729



15.6591, 0.3442, 0.3108



4.7479, 0.3164, 0.3116



5.7703, 0.3747, 0.1838



0.0210, 0.3454, 0.1676

Previews

White Background



This preview shows how the Yxy color 20.6825, 0.3038, 0.3791 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 20.6825, 0.3038, 0.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

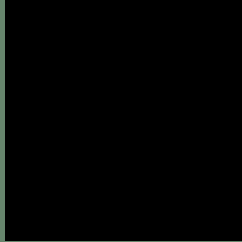
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6825, 0.3038, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 20.6825, 0.3038, 0.3791.



This preview shows how white text looks on a background with the Yxy color 20.6825, 0.3038, 0.3791.

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

20.6825, 0.3038, 0.3791

Protanopia

20.5722, 0.3457, 0.3676

Deuteranopia

20.6621, 0.3528, 0.3466



Tritanopia

20.7527, 0.2795, 0.3102

Trichromacy



Original Color

20.6825, 0.3038, 0.3791

Protanomaly

20.5232, 0.3298, 0.3728

Deuteranomaly

20.3822, 0.3335, 0.3569

Tritanomaly

20.5879, 0.2881, 0.3328

Monochromacy



Original Color

20.6825, 0.3038, 0.3791

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5056, 0.3095, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6825, 0.3038, 0.3791 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(102, 133, 108)` looks like.

```
.text, #text, p{  
    color:rgb(102, 133, 108)  
}
```

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(102, 133, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 133, 108) }
```

Border

The CSS property to change the border of an element to Yxy 20.6825, 0.3038, 0.3791 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(102, 133, 108) }
```

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

```
.border{ border-color:rgb(102, 133, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 133, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 133, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 133, 108);  
box-shadow:4px 4px 4px 4px rgb(102, 133,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6825, 0.3038, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 133, 108) }
```

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

```
.background{ background-color: rgb(102,  
133, 108) }
```

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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