

Converting Colors

$Y_{xy}(20.1231, 0.3331, 0.4207)$

Have a look what the booklet for
Yxy(20.1231, 0.3331, 0.4207)
contains.

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Color

$Y_{xy}(20.0303, 0.3323, 0.4197)$

Conversions

Conversions Part 1

Format	Color
Hex	6B8356
RGB	107, 131, 86
RGB Percent	42%, 51%, 34%
CMY	0.5804, 0.4863, 0.6627
CMYK	0.18, 0.00, 0.34, 0.49
HSL	92°, 21%, 43%
HSV	92°, 34%, 51%
XYZ	15.8591, 20.0303, 11.8359
YIQ	118.6940, 0.1410, -19.0830

Conversions

Conversions Part 2

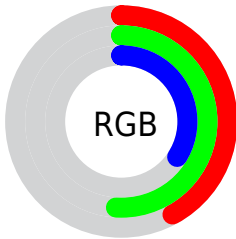
Format	Color
R _Y B	86, 131, 110
Decimal	7045974
CIE Lab	51.87, -17.28, 21.57
CIE LCh	52, 27.641, 128.707
Yxy	20.0303, 0.3323, 0.4197
Android (android.graphics.Color)	4285236054 (0xFF6B8356)
YUV	118.6940, -16.1181, -10.2556
Hunter-Lab	44.7552, -15.0698, 15.6490

Details

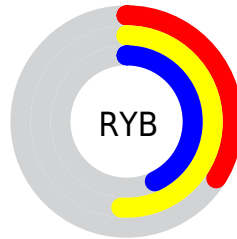
The Yxy color $20.0303, 0.3323, 0.4197$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.6118, 0.2860, 0.2396$, and the grayscale version is $18.3982, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.4295, 0.3289, 0.3981$, and $7.1176, 0.3373, 0.4613$ is the 20% darker color. If you saturate the color by 10%, you get $19.4231, 0.3368, 0.4489$, and if you desaturate by 10%, it is $20.7130, 0.3270, 0.3912$.

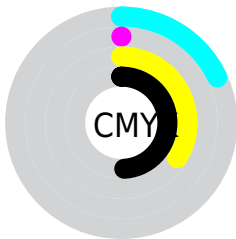
Distribution



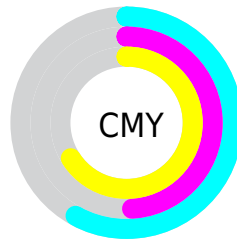
- Red (42%)
- Green (51%)
- Blue (34%)



- Red (34%)
- Yellow (51%)
- Blue (43%)



- Cyan (18%)
- Magenta (0%)
- Yellow (34%)
- Black (49%)





- Cyan (58%)
- Magenta (49%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0303, 0.3323, 0.4197 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 20.0303, 0.3323, 0.4197 by changing the saturation by 10% instead.


 20.0303, 0.3323,
0.4197


 20.0303, 0.3323,
0.4197


252.0791, 0.3223,
0.3663


 12.4171, 0.3345,
0.4366


 43.4680, 0.3288,
0.3979


 7.0284, 0.3369,
0.4608


 60.0612, 0.3274,
0.3905


 3.4799, 0.3386,
0.4984

 80.4166, 0.3262,
0.3845

 1.3871, 0.3736,
0.6264

 104.9185, 0.3252,
0.3796

 0.2072, 0.0000,
1.0000

 133.9513, 0.3243,
0.3755

 0.0000, 0.0000,
0.0000

167.8994, 0.3236,

0.3720

207.1472, 0.3229,
0.3689

■ 20.0303, 0.3323,
0.4197

■ 20.0303, 0.3323,
0.4197

■ 19.4231, 0.3368,
0.4489

■ 20.7130, 0.3270,
0.3912

■ 18.8858, 0.3402,
0.4780

■ 21.4714, 0.3212,
0.3643

■ 18.4161, 0.3421,
0.5054


■ 22.3088, 0.3153,
0.3392


■ 18.0106, 0.3421,
0.5300

■ 23.2278, 0.3094,
0.3163

■ 17.6654, 0.3402,
0.5502

■ 24.2307, 0.3036,
0.2956

 17.3755, 0.3364,
0.5653

 25.3197, 0.2981,
0.2769

 17.2290, 0.3341,
0.5729

 26.4971, 0.2928,
0.2602

 27.7648, 0.2879,
0.2453

 29.1248, 0.2834,
0.2321

Harmonies

Analogous

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



20.0303, 0.3792, 0.4166



20.0303, 0.3323, 0.4197



20.0303, 0.2824, 0.3917

Triad

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



20.0303, 0.3323, 0.4197



20.0303, 0.2233, 0.2609



20.0303, 0.3860, 0.3107

Complementary

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



20.0303, 0.3323, 0.4197



11.6118, 0.2860, 0.2396

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.



20.0303, 0.3384, 0.2764



20.0303, 0.3323, 0.4197



20.0303, 0.2458, 0.2478

Square

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



20.0303, 0.3323, 0.4197



20.0303, 0.2221, 0.2940



20.0303, 0.2867, 0.2539



20.0303, 0.4127, 0.3508

Rectangle

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



20.0303, 0.3323, 0.4197



20.0303, 0.2541, 0.3601



20.0303, 0.2867, 0.2539



20.0303, 0.3717, 0.2983

Sweetspot

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



20.0312, 0.3323, 0.4197



39.0480, 0.3188, 0.3537



16.6508, 0.3742, 0.3749



9.0497, 0.3195, 0.3568



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.



20.0312, 0.3323, 0.4197



35.0300, 0.3358, 0.4419



18.9090, 0.3067, 0.4234



5.3033, 0.3182, 0.3510



16.9598, 0.3342, 0.5729



0.0630, 0.3685, 0.5456

Inverse Universe

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



11.6118, 0.2860, 0.2396



17.6220, 0.2783, 0.2182



13.0809, 0.3187, 0.2498



4.6578, 0.3069, 0.3071



2.8927, 0.2118, 0.0940



0.0144, 0.2589, 0.1200

Previews

White Background



This preview shows how the Yxy color 20.0303, 0.3323, 0.4197 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 20.0303, 0.3323, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

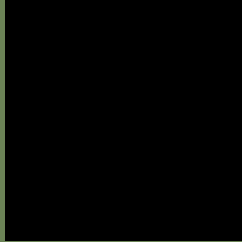
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0303, 0.3323, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 20.0303, 0.3323, 0.4197.



This preview shows how white text looks on a background with the Yxy color 20.0303, 0.3323, 0.4197.

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

20.0303, 0.3323, 0.4197

Protanopia

19.8588, 0.3742, 0.4022

Deuteranopia

19.7891, 0.3862, 0.3796



Tritanopia

19.9939, 0.2894, 0.3103

Trichromacy



Original Color

20.0303, 0.3323, 0.4197

Protanomaly

19.8469, 0.3580, 0.4090

Deuteranomaly

19.7760, 0.3656, 0.3938

Tritanomaly

19.8426, 0.3048, 0.3485

Monochromacy



Original Color

20.0303, 0.3323, 0.4197

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8723, 0.3211, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0303, 0.3323, 0.4197 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(107, 131, 86)` looks like.

```
.text, #text, p{  
    color:rgb(107, 131, 86)  
}
```

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(107, 131, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 131, 86) }
```

Border

The CSS property to change the border of an element to Yxy 20.0303, 0.3323, 0.4197 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(107, 131, 86) }
```

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

```
.border{ border-color:rgb(107, 131, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 131, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 131, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 131, 86);  
box-shadow:4px 4px 4px 4px rgb(107, 131,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0303, 0.3323, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 131, 86) }
```

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

```
.background{ background-color: rgb(107,  
131, 86) }
```

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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