

Converting Colors

$Y_{xy}(20.3146, 0.3252, 0.4224)$

Have a look what the booklet for
Yxy(20.3146, 0.3252, 0.4224)
contains.

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Color

$Y_{xy}(20.2880, 0.3248, 0.4228)$

Conversions

Conversions Part 1

Format	Color
Hex	668557
RGB	102, 133, 87
RGB Percent	40%, 52%, 34%
CMY	0.6001, 0.4784, 0.6588
CMYK	0.23, 0.00, 0.35, 0.48
HSL	100°, 21%, 43%
HSV	100°, 35%, 52%
XYZ	15.5855, 20.2880, 12.1114
YIQ	118.4870, -3.7100, -20.8780

Conversions

Conversions Part 2

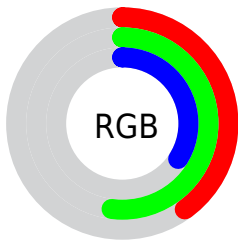
Format	Color
R_{YB}	87, 133, 118
Decimal	6718807
CIE _{Lab}	52.16, -20.13, 21.33
CIE _{LCh}	52, 29.330, 133.331
Yxy	20.2880, 0.3248, 0.4228
Android (android.graphics.Color)	4284908887 (0xFF668557)
YUV	118.4870, -15.5231, -14.4591
Hunter-Lab	45.0422, -17.0594, 15.5871

Details

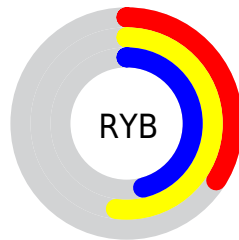
The Yxy color **20.2880, 0.3248, 0.4228** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.3640, 0.2949, 0.2412**, and the grayscale version is **18.3273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7940, 0.3234, 0.4001**, and **7.1309, 0.3266, 0.4644** is the 20% darker color. If you saturate the color by 10%, you get **19.5951, 0.3272, 0.4537**, and if you desaturate by 10%, it is **21.0794, 0.3217, 0.3931**.

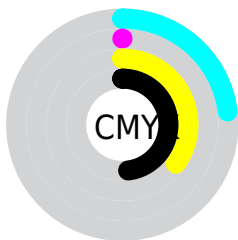
Distribution



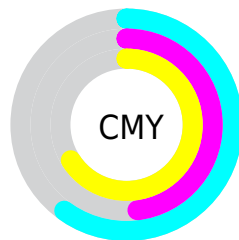
- Red (40%)
- Green (52%)
- Blue (34%)



- Red (34%)
- Yellow (52%)
- Blue (46%)



- Cyan (23%)
- Magenta (0%)
- Yellow (35%)
- Black (48%)





- Cyan (60%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2880, 0.3248, 0.4228 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 20.2880, 0.3248, 0.4228 by changing the saturation by 10% instead.


 20.2880, 0.3248,
0.4228


 20.2880, 0.3248,
0.4228


253.4700, 0.3192,
0.3674


 12.6046, 0.3256,
0.4404


 43.8995, 0.3231,
0.4002

 7.1568, 0.3261,
0.4658


 60.5964, 0.3223,
0.3925


 3.5604, 0.3248,
0.5054

 81.0665, 0.3216,
0.3863

 1.4308, 0.3552,
0.6448

 105.6943, 0.3210,
0.3812

 0.2393, 0.0000,
1.0000

 134.8642, 0.3205,
0.3769

 0.0000, 0.0000,
0.0000

168.9605, 0.3200,

0.3733

208.3676, 0.3196,
0.3702

■ 20.2880, 0.3248,
0.4228

■ 20.2880, 0.3248,
0.4228

■ 19.5951, 0.3272,
0.4537

■ 21.0794, 0.3217,
0.3931

■ 18.9942, 0.3285,
0.4847

■ 21.9705, 0.3182,
0.3653

■ 18.4818, 0.3286,
0.5143


■ 22.9656, 0.3145,
0.3399

■ 18.0531, 0.3273,
0.5407


■ 24.0682, 0.3106,
0.3169


■ 17.7030, 0.3244,
0.5623


■ 25.2815, 0.3069,
0.2963


 17.4251, 0.3203,
0.5781

 26.6084, 0.3032,
0.2780

 17.2973, 0.3181,
0.5856

 28.0520, 0.2997,
0.2619

 29.6152, 0.2964,
0.2476

 31.3005, 0.2934,
0.2350

Harmonies

Analogous

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



20.2880, 0.3757, 0.4239



20.2880, 0.3248, 0.4228



20.2880, 0.2731, 0.3884

Triad

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



20.2880, 0.3248, 0.4228



20.2880, 0.2210, 0.2536



20.2880, 0.3964, 0.3158

Complementary

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



20.2880, 0.3248, 0.4228



12.3640, 0.2949, 0.2412

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.



20.2880, 0.3482, 0.2786



20.2880, 0.3248, 0.4228



20.2880, 0.2477, 0.2434

Square

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



20.2880, 0.3248, 0.4228



20.2880, 0.2161, 0.2851



20.2880, 0.2931, 0.2528



20.2880, 0.4200, 0.3581

Rectangle

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



20.2880, 0.3248, 0.4228



20.2880, 0.2451, 0.3533



20.2880, 0.2931, 0.2528



20.2880, 0.3823, 0.3025

Sweetspot

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



20.2889, 0.3248, 0.4228



40.0936, 0.3166, 0.3539



18.5552, 0.3712, 0.3862



8.9855, 0.3170, 0.3570



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.



20.2889, 0.3248, 0.4228



35.2780, 0.3268, 0.4486



19.6237, 0.3008, 0.4108



5.2729, 0.3162, 0.3511



16.4779, 0.3183, 0.5855



0.0607, 0.3509, 0.5596

Inverse Universe

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



12.3640, 0.2949, 0.2412



18.7119, 0.2891, 0.2189



13.2932, 0.3276, 0.2592



4.6889, 0.3089, 0.3073



3.6738, 0.2424, 0.1109



0.0167, 0.2800, 0.1316

Previews

White Background



This preview shows how the Yxy color 20.2880, 0.3248, 0.4228 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 20.2880, 0.3248, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

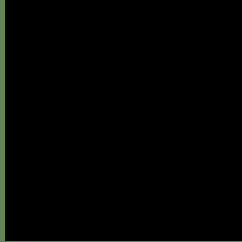
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2880, 0.3248, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 20.2880, 0.3248, 0.4228.



This preview shows how white text looks on a background with the Yxy color 20.2880, 0.3248, 0.4228.

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

20.2880, 0.3248, 0.4228

Protanopia

20.1082, 0.3736, 0.4038

Deuteranopia

20.1349, 0.3857, 0.3793



Tritanopia

20.2999, 0.2832, 0.3102

Trichromacy



Original Color

20.2880, 0.3248, 0.4228

Protanomaly

19.9564, 0.3549, 0.4114

Deuteranomaly

19.9619, 0.3626, 0.3940

Tritanomaly

20.1582, 0.2981, 0.3485

Monochromacy



Original Color

20.2880, 0.3248, 0.4228

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6722, 0.3173, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2880, 0.3248, 0.4228 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(102, 133, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 133, 87) }
```

Border

The CSS property to change the border of an element to Yxy 20.2880, 0.3248, 0.4228 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, 87) }
```

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

```
.border{ border-color:rgb(102, 133, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 133, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 133, 87);  
box-shadow:4px 4px 4px 4px rgb(102, 133,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2880, 0.3248, 0.4228 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, 87) }
```

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

```
.background{ background-color: rgb(102,  
133, 87) }
```

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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