

Converting Colors

$Y_{xy}(20.5129, 0.3334, 0.4173)$

Have a look what the booklet for
Yxy(20.5129, 0.3334, 0.4173)
contains.

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Color

Yxy(20.5221, 0.3336, 0.4163)

Conversions

Conversions Part 1

Format	Color
Hex	6E8458
RGB	110, 132, 88
RGB Percent	43%, 52%, 35%
CMY	0.5685, 0.4824, 0.6549
CMYK	0.17, 0.00, 0.33, 0.48
HSL	90°, 20%, 43%
HSV	90°, 33%, 52%
XYZ	16.4453, 20.5221, 12.3290
YIQ	120.4060, 1.0120, -18.3480

Conversions

Conversions Part 2

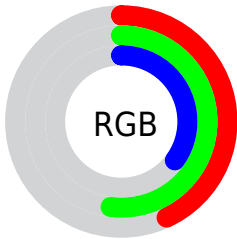
Format	Color
R_{YB}	88, 132, 110
Decimal	7242840
CIE _{Lab}	52.42, -16.31, 21.21
CIE _{LCh}	52, 26.757, 127.556
Yxy	20.5221, 0.3336, 0.4163
Android (android.graphics.Color)	4285432920 (0xFF6E8458)
YUV	120.4060, -15.9762, -9.1261
Hunter-Lab	45.3013, -14.4783, 15.5748

Details

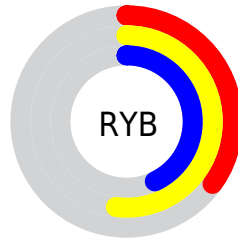
The Yxy color **20.5221, 0.3336, 0.4163** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.9614, 0.2849, 0.2419**, and the grayscale version is **18.9730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2143, 0.3298, 0.3959**, and **7.1939, 0.3381, 0.4539** is the 20% darker color. If you saturate the color by 10%, you get **19.9161, 0.3388, 0.4451**, and if you desaturate by 10%, it is **21.2010, 0.3277, 0.3882**.

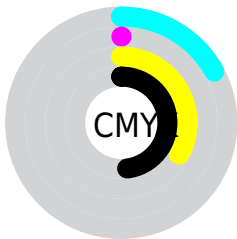
Distribution



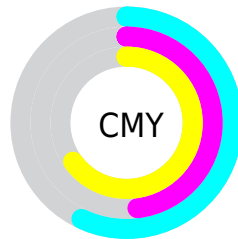
- Red (43%)
- Green (52%)
- Blue (35%)



- Red (35%)
- Yellow (52%)
- Blue (43%)



- Cyan (17%)
- Magenta (0%)
- Yellow (33%)
- Black (48%)





- Cyan (57%)
- Magenta (48%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5221, 0.3336, 0.4163 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 20.5221, 0.3336, 0.4163 by changing the saturation by 10% instead.


 20.5221, 0.3336,
0.4163


 20.5221, 0.3336,
0.4163


254.7277, 0.3228,
0.3652


 12.7751, 0.3361,
0.4323


 44.2908, 0.3297,
0.3955

 7.2739, 0.3390,
0.4553


 61.0813, 0.3282,
0.3884


 3.6340, 0.3416,
0.4906

 81.6552, 0.3270,
0.3827

 1.4710, 0.3801,
0.6139

 106.3967, 0.3259,
0.3780

 0.2682, 0.0000,
1.0000

 135.6903, 0.3250,
0.3740

 0.0000, 0.0000,
0.0000

169.9204, 0.3242,

0.3706

209.4714, 0.3234,
0.3677

■ 20.5221, 0.3336,
0.4163

■ 20.5221, 0.3336,
0.4163

■ 19.9161, 0.3388,
0.4451

■ 21.2010, 0.3277,
0.3882

■ 19.3775, 0.3428,
0.4738

■ 21.9527, 0.3213,
0.3616

■ 18.9042, 0.3453,
0.5009


■ 22.7807, 0.3149,
0.3368

■ 18.4928, 0.3460,
0.5252


■ 23.6872, 0.3084,
0.3141

■ 18.1395, 0.3446,
0.5454

■ 24.6746, 0.3022,
0.2934

 17.8401, 0.3412,
0.5606

 25.7450, 0.2963,
0.2749

 17.6618, 0.3385,
0.5694

 26.9005, 0.2906,
0.2582

 28.1429, 0.2854,
0.2433

 29.4743, 0.2805,
0.2301

Harmonies

Analogous

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



20.5221, 0.3782, 0.4125



20.5221, 0.3336, 0.4163



20.5221, 0.2854, 0.3905

Triad

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



20.5221, 0.3336, 0.4163



20.5221, 0.2261, 0.2644



20.5221, 0.3816, 0.3101

Complementary

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



20.5221, 0.3336, 0.4163



11.9614, 0.2849, 0.2419

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.



20.5221, 0.3355, 0.2772



20.5221, 0.3336, 0.4163



20.5221, 0.2471, 0.2509

Square

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



20.5221, 0.3336, 0.4163



20.5221, 0.2258, 0.2971



20.5221, 0.2860, 0.2561



20.5221, 0.4083, 0.3487

Rectangle

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



20.5221, 0.3336, 0.4163



20.5221, 0.2578, 0.3607



20.5221, 0.2860, 0.2561



20.5221, 0.3677, 0.2982

Sweetspot

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



20.5230, 0.3336, 0.4163



39.1087, 0.3193, 0.3537



16.6054, 0.3733, 0.3695



9.0654, 0.3201, 0.3567



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.



20.5230, 0.3336, 0.4163



35.3321, 0.3376, 0.4381



19.3179, 0.3091, 0.4232



5.3107, 0.3186, 0.3509



17.1048, 0.3386, 0.5693



0.0636, 0.3724, 0.5425

Inverse Universe

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



11.9614, 0.2849, 0.2419



17.8271, 0.2767, 0.2203



13.4936, 0.3154, 0.2495



4.6503, 0.3064, 0.3071



2.7361, 0.2051, 0.0903



0.0138, 0.2535, 0.1170

Previews

White Background



This preview shows how the Yxy color 20.5221, 0.3336, 0.4163 looks on a white background.

Color Contrast Check

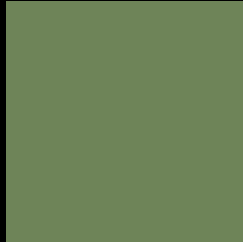
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5221, 0.3336, 0.4163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

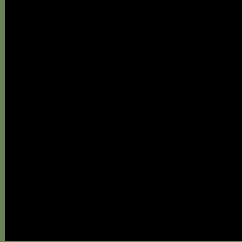
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5221, 0.3336, 0.4163

Background



This preview shows how black text looks on a background with the Yxy color 20.5221, 0.3336, 0.4163.



This preview shows how white text looks on a background with the Yxy color 20.5221, 0.3336, 0.4163.

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

20.5221, 0.3336, 0.4163

Protanopia

20.4740, 0.3720, 0.4016

Deuteranopia

20.4842, 0.3851, 0.3789



Tritanopia

20.4812, 0.2917, 0.3105

Trichromacy



Original Color

20.5221, 0.3336, 0.4163

Protanomaly

20.5458, 0.3574, 0.4079

Deuteranomaly

20.2218, 0.3654, 0.3912

Tritanomaly

20.3477, 0.3061, 0.3462

Monochromacy



Original Color

20.5221, 0.3336, 0.4163

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2110, 0.3210, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5221, 0.3336, 0.4163 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(110, 132, 88)` looks like.

```
.text, #text, p{  
    color:rgb(110, 132, 88)  
}
```

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(110, 132, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 132, 88) }
```

Border

The CSS property to change the border of an element to Yxy 20.5221, 0.3336, 0.4163 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(110, 132, 88) }
```

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

```
.border{ border-color:rgb(110, 132, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 132, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 132, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 132, 88);  
box-shadow:4px 4px 4px 4px rgb(110, 132,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5221, 0.3336, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 132, 88) }
```

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

```
.background{ background-color: rgb(110,  
132, 88) }
```

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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