

Converting Colors

$Yxy(20.4584, 0.3305, 0.4350)$

Have a look what the booklet for
Yxy(20.4584, 0.3305, 0.4350)
contains.

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Color

Yxy(20.4842, 0.3295, 0.4346)

Conversions

Conversions Part 1

Format	Color
Hex	668652
RGB	102, 134, 82
RGB Percent	40%, 53%, 32%
CMY	0.5999, 0.4745, 0.6784
CMYK	0.24, 0.00, 0.39, 0.47
HSL	97°, 24%, 42%
HSV	97°, 39%, 53%
XYZ	15.5305, 20.4842, 11.1188
YIQ	118.5040, -2.3800, -22.9560

Conversions

Conversions Part 2

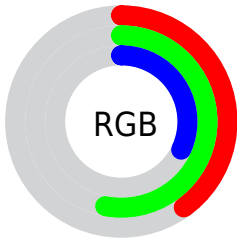
Format	Color
R_{YB}	82, 134, 114
Decimal	6719058
CIE _{Lab}	52.38, -21.39, 24.41
CIE _{LCh}	52, 32.461, 131.226
Yxy	20.4842, 0.3295, 0.4346
Android (android.graphics.Color)	4284909138 (0xFF668652)
YUV	118.5040, -17.9965, -14.4740
Hunter-Lab	45.2595, -17.9530, 17.1160

Details

The Yxy color $20.4842, 0.3295, 0.4346$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.3319, 0.2876, 0.2286$, and the grayscale version is $18.3439, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0766, 0.3271, 0.4088$, and $7.2249, 0.3308, 0.4822$ is the 20% darker color. If you saturate the color by 10%, you get $19.8428, 0.3323, 0.4650$, and if you desaturate by 10%, it is $21.2151, 0.3258, 0.4048$.

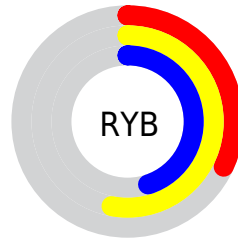
Distribution



Red (40%)

Green (53%)

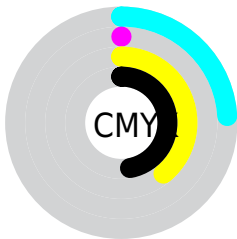
Blue (32%)



Red (32%)

Yellow (53%)

Blue (45%)

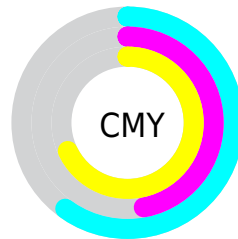


Cyan (24%)

Magenta (0%)

Yellow (39%)

Black (47%)



Cyan (60%)

Magenta (47%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4842, 0.3295, 0.4346 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 20.4842, 0.3295, 0.4346 by changing the saturation by 10% instead.


 20.4842, 0.3295,
0.4346


 20.4842, 0.3295,
0.4346


254.5244, 0.3216,
0.3723


 12.7475, 0.3308,
0.4543


 44.2275, 0.3270,
0.4092


 7.2549, 0.3315,
0.4826


 61.0029, 0.3259,
0.4005


 3.6220, 0.3300,
0.5260

 81.5600, 0.3250,
0.3935

 1.4645, 0.3477,
0.6523

 106.2831, 0.3241,
0.3878

 0.2635, 0.0000,
1.0000

 135.5568, 0.3234,
0.3830

 0.0000, 0.0000,
0.0000

169.7653, 0.3227,

0.3789

209.2930, 0.3221,
0.3754

■ 20.4842, 0.3295,
0.4346

■ 20.4842, 0.3295,
0.4346

■ 19.8428, 0.3323,
0.4650

■ 21.2151, 0.3258,
0.4048

■ 19.2844, 0.3339,
0.4948

■ 22.0363, 0.3215,
0.3765

■ 18.8060, 0.3340,
0.5224

■ 22.9519, 0.3169,
0.3502


■ 18.4031, 0.3324,
0.5463


■ 23.9651, 0.3121,
0.3262

■ 18.0707, 0.3291,
0.5650


■ 25.0787, 0.3075,
0.3046

 17.7989, 0.3247,
0.5791

 26.2955, 0.3029,
0.2852

 17.7690, 0.3243,
0.5807

 27.6184, 0.2986,
0.2679

 29.0499, 0.2945,
0.2526

 30.5924, 0.2907,
0.2390

Harmonies

Analogous

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



20.4842, 0.3849, 0.4321



20.4842, 0.3295, 0.4346



20.4842, 0.2724, 0.3988

Triad

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



20.4842, 0.3295, 0.4346



20.4842, 0.2114, 0.2479



20.4842, 0.4021, 0.3110

Complementary

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



20.4842, 0.3295, 0.4346



11.3319, 0.2876, 0.2286

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.



20.4842, 0.3474, 0.2714



20.4842, 0.3295, 0.4346



20.4842, 0.2387, 0.2356

Square

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



20.4842, 0.3295, 0.4346



20.4842, 0.2078, 0.2834



20.4842, 0.2869, 0.2446



20.4842, 0.4304, 0.3566

Rectangle

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



20.4842, 0.3295, 0.4346



20.4842, 0.2411, 0.3600



20.4842, 0.2869, 0.2446



20.4842, 0.3858, 0.2967

Sweetspot

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



20.4851, 0.3295, 0.4346



39.8636, 0.3185, 0.3591



17.5322, 0.3817, 0.3873



8.9424, 0.3190, 0.3618



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.



20.4851, 0.3295, 0.4346



35.0446, 0.3322, 0.4627



19.5347, 0.3027, 0.4305



5.2857, 0.3170, 0.3510



16.6591, 0.3244, 0.5806



0.0617, 0.3586, 0.5535

Inverse Universe

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



11.3319, 0.2876, 0.2286



16.4213, 0.2795, 0.2035



12.6830, 0.3246, 0.2451



4.6756, 0.3081, 0.3072



3.3165, 0.2290, 0.1035



0.0157, 0.2714, 0.1269

Previews

White Background



This preview shows how the Yxy color 20.4842, 0.3295, 0.4346 looks on a white background.

Color Contrast Check

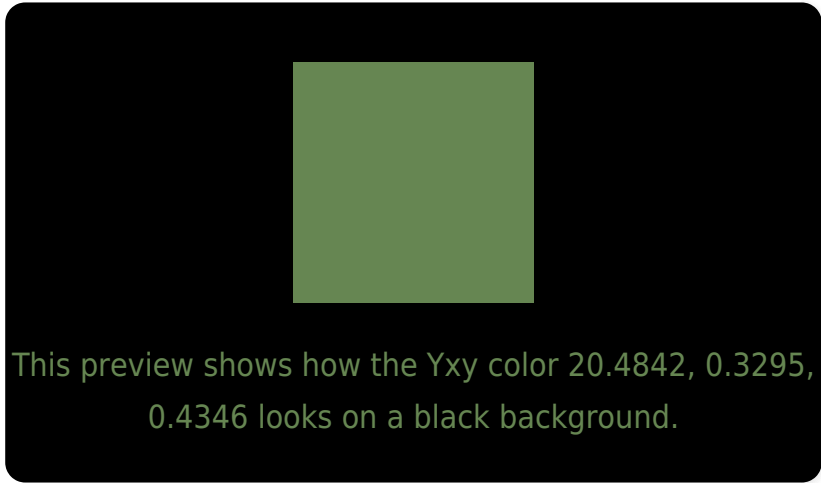
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

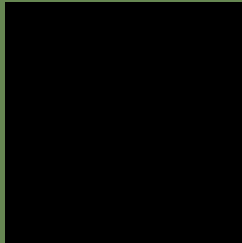
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4842, 0.3295, 0.4346

Background



This preview shows how black text looks on a background with the Yxy color 20.4842, 0.3295, 0.4346.



This preview shows how white text looks on a background with the Yxy color 20.4842, 0.3295, 0.4346.

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

20.4842, 0.3295, 0.4346

Protanopia

20.4515, 0.3812, 0.4134

Deuteranopia

20.2391, 0.3946, 0.3871



Tritanopia

20.3644, 0.2843, 0.3102

Trichromacy



Original Color

20.4842, 0.3295, 0.4346

Protanomaly

20.2879, 0.3624, 0.4216

Deuteranomaly

19.9609, 0.3697, 0.4028

Tritanomaly

20.4378, 0.3013, 0.3544

Monochromacy



Original Color

20.4842, 0.3295, 0.4346

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.9666, 0.3196, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4842, 0.3295, 0.4346 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, 134, 82)` looks like.

```
.text, #text, p{  
    color:rgb(102, 134, 82)  
}
```

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, 134, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 134, 82) }
```

Border

The CSS property to change the border of an element to Yxy 20.4842, 0.3295, 0.4346 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, 134, 82) }
```

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

```
.border{ border-color:rgb(102, 134, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 134, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 134, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 134, 82);  
box-shadow:4px 4px 4px 4px rgb(102, 134,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4842, 0.3295, 0.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 134, 82) }
```

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

```
.background{ background-color: rgb(102,  
134, 82) }
```

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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