

Converting Colors

$Y_{xy}(12.7692, 0.3283, 0.4250)$

Have a look what the booklet for
Yxy(12.7692, 0.3283, 0.4250)
contains.

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Color

Yxy(12.7717, 0.3284, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	536B44
RGB	83, 107, 68
RGB Percent	33%, 42%, 27%
CMY	0.6745, 0.5804, 0.7334
CMYK	0.22, 0.00, 0.36, 0.58
HSL	97°, 22%, 34%
HSV	97°, 36%, 42%
XYZ	9.8688, 12.7717, 7.4106
YIQ	95.3780, -1.7850, -17.2170

Conversions

Conversions Part 2

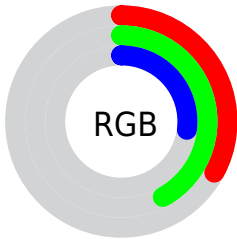
Format	Color
RYB	68, 107, 92
Decimal	5466948
CIELab	42.42, -16.79, 19.06
CIELCh	42, 25.404, 131.378
Yxy	12.7717, 0.3284, 0.4250
Android (android.graphics.Color)	4283657028 (0xFF536B44)
YUV	95.3780, -13.4974, -10.8555
Hunter-Lab	35.7375, -13.2486, 12.7218

Details

The Yxy color **12.7717, 0.3284, 0.4250** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.4670, 0.2901, 0.2373**, and the grayscale version is **11.5731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7246, 0.3250, 0.3976**, and **3.6910, 0.3313, 0.4808** is the 20% darker color. If you saturate the color by 10%, you get **12.3682, 0.3315, 0.4546**, and if you desaturate by 10%, it is **13.2286, 0.3246, 0.3963**.

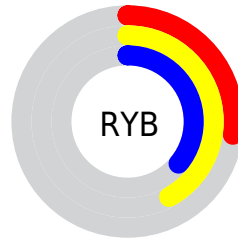
Distribution



Red (33%)

Green (42%)

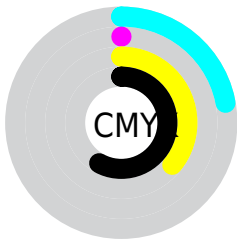
Blue (27%)



Red (27%)

Yellow (42%)

Blue (36%)

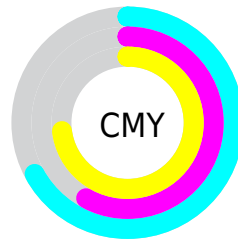


Cyan (22%)

Magenta (0%)

Yellow (36%)

Black (58%)



Cyan (67%)


Magenta (58%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7717, 0.3284, 0.4250 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 12.7717, 0.3284, 0.4250 by changing the saturation by 10% instead.


 12.7717, 0.3284,
0.4250


 12.7717, 0.3284,
0.4250


209.4493, 0.3202,
0.3649


 7.2715, 0.3300,
0.4466


 30.8930, 0.3255,
0.3991


 3.6325, 0.3311,
0.4801

 44.2830, 0.3244,
0.3907

 1.4702, 0.3546,
0.5806

 61.0716, 0.3234,
0.3841

 0.2676, 0.0000,
1.0000

 81.6434, 0.3226,
0.3788

 0.0000, 0.0000,
0.0000

 106.3826, 0.3219,
0.3744

135.6738, 0.3212,

0.3707

169.9012, 0.3207,
0.3676

■ 12.7717, 0.3284,
0.4250

■ 12.7717, 0.3284,
0.4250

■ 12.3682, 0.3315,
0.4546

■ 13.2286, 0.3246,
0.3963

■ 12.0142, 0.3335,
0.4841

■ 13.7391, 0.3202,
0.3692

■ 11.7082, 0.3342,
0.5120

■ 14.3058, 0.3157,
0.3441


■ 11.4476, 0.3333,
0.5370


■ 14.9302, 0.3111,
0.3212


■ 11.2299, 0.3308,
0.5576


■ 15.6140, 0.3065,
0.3005


 11.0493, 0.3271,
0.5738

 16.3590, 0.3021,
0.2820

 10.9916, 0.3259,
0.5795

 17.1666, 0.2979,
0.2654

 18.0383, 0.2940,
0.2507

 18.9755, 0.2902,
0.2376

Harmonies

Analogous

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



12.7717, 0.3793, 0.4239



12.7717, 0.3284, 0.4250



12.7717, 0.2758, 0.3922

Triad

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



12.7717, 0.3284, 0.4250



12.7717, 0.2191, 0.2543



12.7717, 0.3947, 0.3129

Complementary

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



12.7717, 0.3284, 0.4250



7.4670, 0.2901, 0.2373

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.



12.7717, 0.3450, 0.2760



12.7717, 0.3284, 0.4250



12.7717, 0.2447, 0.2427

Square

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



12.7717, 0.3284, 0.4250



12.7717, 0.2157, 0.2874



12.7717, 0.2895, 0.2509



12.7717, 0.4206, 0.3555

Rectangle

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



12.7717, 0.3284, 0.4250



12.7717, 0.2468, 0.3572



12.7717, 0.2895, 0.2509



12.7717, 0.3800, 0.2997

Sweetspot

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



12.7723, 0.3284, 0.4250



25.1121, 0.3179, 0.3560



11.0924, 0.3751, 0.3824



6.0543, 0.3184, 0.3584



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.7723, 0.3284, 0.4250



22.2304, 0.3312, 0.4510



12.2101, 0.3035, 0.4208



3.4963, 0.3168, 0.3501



13.3549, 0.3252, 0.5800



67.5804, 0.3213, 0.5831

Inverse Universe

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



7.4670, 0.2901, 0.2373



11.1722, 0.2829, 0.2139



8.2390, 0.3235, 0.2519



3.1085, 0.3083, 0.3081



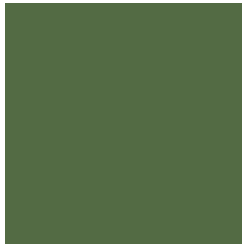
2.6732, 0.2298, 0.1040



13.1101, 0.2249, 0.1013

Previews

White Background



This preview shows how the Yxy color 12.7717, 0.3284, 0.4250 looks on a white background.

Color Contrast Check

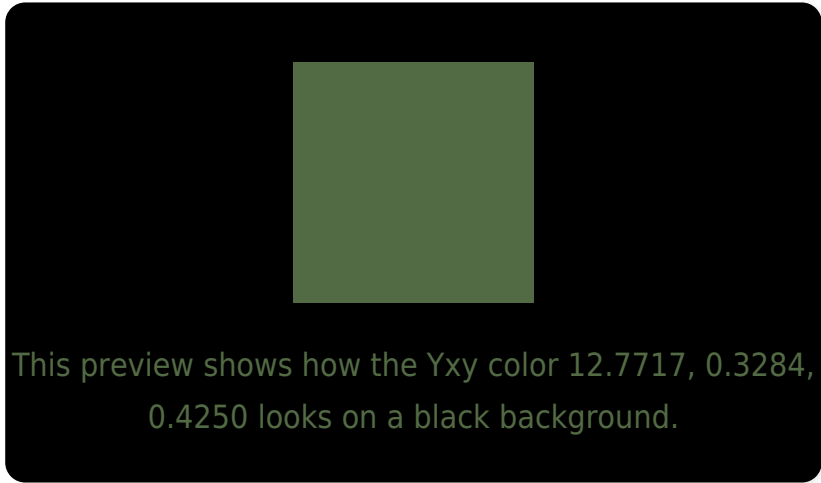
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

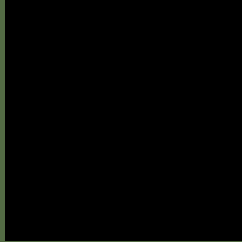
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7717, 0.3284, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 12.7717, 0.3284, 0.4250.



This preview shows how white text looks on a background with the Yxy color 12.7717, 0.3284, 0.4250.

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

12.7717, 0.3284, 0.4250

Protanopia

12.7472, 0.3763, 0.4059

Deuteranopia

12.7426, 0.3869, 0.3814



Tritanopia

12.8022, 0.2861, 0.3108

Trichromacy



Original Color

12.7717, 0.3284, 0.4250

Protanomaly

12.8032, 0.3585, 0.4139

Deuteranomaly

12.6207, 0.3645, 0.3963

Tritanomaly

12.7531, 0.3006, 0.3503

Monochromacy



Original Color

12.7717, 0.3284, 0.4250

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8037, 0.3201, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7717, 0.3284, 0.4250 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(83, 107, 68)` looks like.

```
.text, #text, p{  
    color:rgb(83, 107, 68)  
}
```

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(83, 107, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 107, 68) }
```

Border

The CSS property to change the border of an element to Yxy 12.7717, 0.3284, 0.4250 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(83, 107, 68) }
```

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

```
.border{ border-color:rgb(83, 107, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 107, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 107, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 107, 68);  
box-shadow:4px 4px 4px 4px rgb(83, 107,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7717, 0.3284, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 107, 68) }
```

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

```
.background{ background-color: rgb(83, 107,  
68) }
```

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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