

Converting Colors

$Y_{xy}(12.0435, 0.3571, 0.6429)$

Have a look what the booklet for
Yxy(12.0435, 0.3571, 0.6429)
contains.

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Color

Yxy(12.2665, 0.3327, 0.5740)

Conversions

Conversions Part 1

Format	Color
Hex	327000
RGB	50, 112, 0
RGB Percent	20%, 44%, 0%
CMY	0.8039, 0.5608, 0.9999
CMYK	0.55, 0.00, 1.00, 0.56
HSL	93°, 100%, 22%
HSV	93°, 100%, 44%
XYZ	7.1099, 12.2665, 1.9938
YIQ	80.6940, -1.0000, -47.9760

Conversions

Conversions Part 2

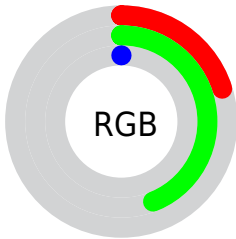
Format	Color
RYB	0, 112, 62
Decimal	3305472
CIELab	41.64, -37.76, 46.66
CIELCh	42, 60.023, 128.983
Yxy	12.2665, 0.3327, 0.5740
Android (android.graphics.Color)	4281495552 (0xFF327000)
YUV	80.6940, -39.7821, -26.9186
Hunter-Lab	35.0236, -25.0553, 21.1412

Details

The Yxy color **12.2665, 0.3327, 0.5740** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.1960, 0.2174, 0.0971**, and the grayscale version is **8.2462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8202, 0.3378, 0.5088**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.2664, 0.3327, 0.5740**, and if you desaturate by 10%, it is **12.4601, 0.3364, 0.5589**.

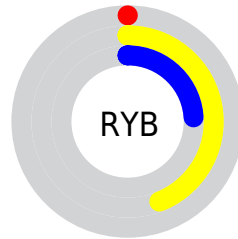
Distribution



Red (20%)

Green (44%)

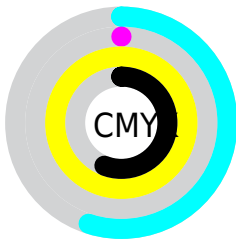
Blue (0%)



Red (0%)

Yellow (44%)

Blue (24%)

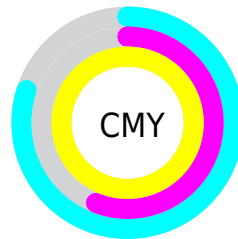


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (80%)


Magenta (56%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2665, 0.3327, 0.5740 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 12.2665, 0.3327, 0.5740 by changing the saturation by 10% instead.


 12.2665, 0.3327,
0.5740


 12.2665, 0.3327,
0.5740


 206.1617, 0.3318,
0.4194


 6.9254, 0.3236,
0.6265


 29.9796, 0.3378,
0.5090


 3.4155, 0.3003,
0.6997

 43.1204, 0.3376,
0.4872


 1.3523, 0.1829,
0.8171

 59.6299, 0.3369,
0.4699

 0.1812, 0.0000,
1.0000


 79.8924, 0.3359,
0.4559


 0.0000, 0.0000,
0.0000

 104.2925, 0.3348,
0.4443


 133.2145, 0.3338,

0.4347

 167.0428, 0.3328,
0.4265


 12.2665, 0.3327,
0.5740


 12.2665, 0.3327,
0.5740


 12.2664, 0.3327,
0.5740

 12.4601, 0.3364,
0.5589

 12.6857, 0.3392,
0.5409

 12.9531, 0.3402,
0.5182

 13.2652, 0.3394,
0.4920

 13.6246, 0.3371,
0.4637

■ 14.0335, 0.3334,
0.4346

■ 14.4941, 0.3289,
0.4059

■ 15.0084, 0.3237,
0.3784

■ 15.5784, 0.3182,
0.3527

Harmonies

Analogous

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



12.2665, 0.4415, 0.5213



12.2665, 0.3327, 0.5740



12.2665, 0.2247, 0.5089

Triad

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



12.2665, 0.3327, 0.5740



12.2665, 0.1230, 0.1698



12.2665, 0.4996, 0.2766

Complementary

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



12.2665, 0.3327, 0.5740



2.1960, 0.2174, 0.0971

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.



12.2665, 0.3714, 0.2123



12.2665, 0.3327, 0.5740



12.2665, 0.1636, 0.1540

Square

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



12.2665, 0.3327, 0.5740



12.2665, 0.1165, 0.2288



12.2665, 0.2459, 0.1693



12.2665, 0.5584, 0.3506

Rectangle

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



12.2665, 0.3327, 0.5740



12.2665, 0.1680, 0.4050



12.2665, 0.2459, 0.1693



12.2665, 0.4613, 0.2536

Sweetspot

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



12.2670, 0.3327, 0.5740



25.3919, 0.3293, 0.4083



6.8488, 0.5203, 0.4250



6.0350, 0.3308, 0.4176



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.2670, 0.3327, 0.5740



21.4772, 0.3309, 0.5755



11.6013, 0.2984, 0.5943



3.8293, 0.3177, 0.3503



14.1670, 0.3322, 0.5744



70.0755, 0.3284, 0.5775

Inverse Universe

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



2.1960, 0.2174, 0.0971



3.7818, 0.2150, 0.0958



4.4947, 0.3332, 0.1610



3.3830, 0.3073, 0.3078



2.5234, 0.2167, 0.0967



12.0525, 0.2115, 0.0939

Previews

White Background



This preview shows how the Yxy color 12.2665, 0.3327, 0.5740 looks on a white background.

Color Contrast Check

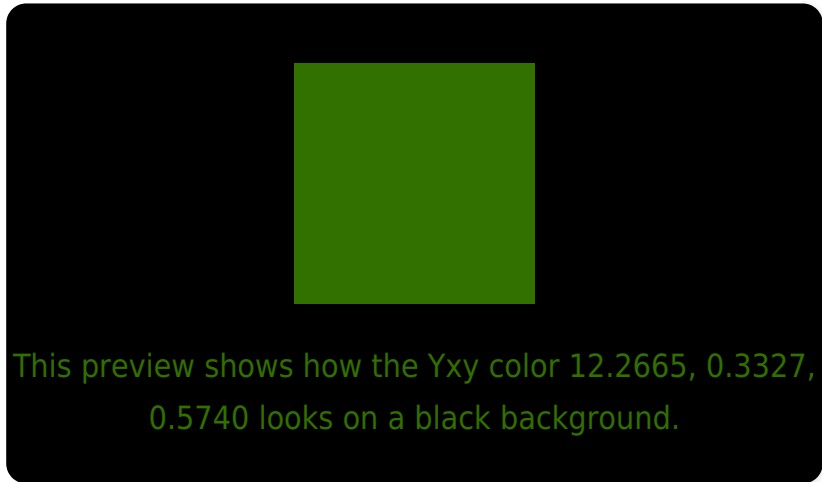
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2665, 0.3327, 0.5740

Background



This preview shows how black text looks on a background with the Yxy color 12.2665, 0.3327, 0.5740.



This preview shows how white text looks on a background with the Yxy color 12.2665, 0.3327, 0.5740.

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

12.2665, 0.3327, 0.5740

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

12.1015, 0.4559, 0.4509



Tritanopia

12.2638, 0.2572, 0.3096

Trichromacy



Original Color

12.2665, 0.3327, 0.5740

Protanomaly

11.7752, 0.3952, 0.5244

Deuteranomaly

11.6356, 0.4063, 0.4993

Tritanomaly

11.9624, 0.2959, 0.4255

Monochromacy



Original Color

12.2665, 0.3327, 0.5740

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.2043, 0.3347, 0.4418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2665, 0.3327, 0.5740 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(50, 112, 0)` looks like.

```
.text, #text, p{  
  color:rgb(50, 112, 0)  
}
```

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(50, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.2665, 0.3327, 0.5740 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(50, 112, 0) }
```

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

```
.border{ border-color:rgb(50, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(50, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(50, 112, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2665, 0.3327, 0.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 112, 0) }
```

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

```
.background{ background-color: rgb(50, 112,  
0) }
```

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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