

Converting Colors

$Y_{xy}(12.2809, 0.3313, 0.5752)$

Have a look what the booklet for
Yxy(12.2809, 0.3313, 0.5752)
contains.

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Color

Yxy(12.2413, 0.3316, 0.5749)

Conversions

Conversions Part 1

Format	Color
Hex	317000
RGB	49, 112, 0
RGB Percent	19%, 44%, 0%
CMY	0.8079, 0.5608, 0.9999
CMYK	0.56, 0.00, 1.00, 0.56
HSL	94°, 100%, 22%
HSV	94°, 100%, 44%
XYZ	7.0607, 12.2413, 1.9909
YIQ	80.3950, -1.5960, -48.1880

Conversions

Conversions Part 2

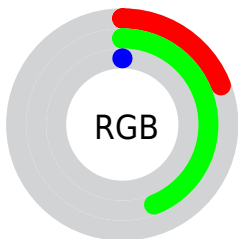
Format	Color
RYB	0, 112, 63
Decimal	3239936
CIELab	41.60, -38.08, 46.62
CIELCh	42, 60.189, 129.242
Yxy	12.2413, 0.3316, 0.5749
Android (android.graphics.Color)	4281430016 (0xFF317000)
YUV	80.3950, -39.6347, -27.5334
Hunter-Lab	34.9876, -25.2057, 21.1175

Details

The Yxy color **12.2413, 0.3316, 0.5749** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.2276, 0.2192, 0.0981**, and the grayscale version is **8.1831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7607, 0.3369, 0.5094**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.2416, 0.3316, 0.5749**, and if you desaturate by 10%, it is **12.4342, 0.3353, 0.5598**.

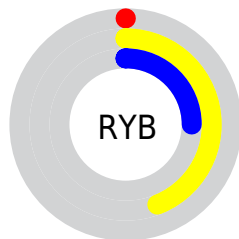
Distribution



Red (19%)

Green (44%)

Blue (0%)



Red (0%)

Yellow (44%)

Blue (25%)

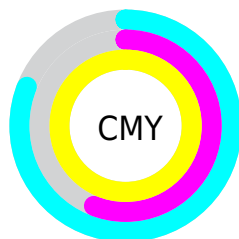


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (81%)


Magenta (56%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2413, 0.3316, 0.5749 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 12.2413, 0.3316, 0.5749 by changing the saturation by 10% instead.


 12.2413, 0.3316,
0.5749


 12.2413, 0.3316,
0.5749


 205.9963, 0.3314,
0.4196


 6.9082, 0.3223,
0.6278


 29.9338, 0.3370,
0.5095


 3.4048, 0.2985,
0.7015

 43.0621, 0.3369,
0.4876


 1.3465, 0.1776,
0.8224

 59.5575, 0.3363,
0.4703

 0.1768, 0.0000,
1.0000


 79.8045, 0.3353,
0.4562


 0.0000, 0.0000,
0.0000


 104.1875, 0.3343,
0.4446


 133.0909, 0.3333,


0.4349

 166.8990, 0.3323,
0.4267


 12.2413, 0.3316,
0.5749


 12.2413, 0.3316,
0.5749


 12.2416, 0.3316,
0.5749

 12.4342, 0.3353,
0.5598

 12.6597, 0.3382,
0.5417

 12.9276, 0.3393,
0.5188

 13.2408, 0.3386,
0.4925

 13.6021, 0.3364,
0.4641

■ 14.0136, 0.3329,
0.4349

■ 14.4777, 0.3285,
0.4061

■ 14.9962, 0.3234,
0.3785

■ 15.5713, 0.3181,
0.3527

Harmonies

Analogous

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



12.2413, 0.4408, 0.5225



12.2413, 0.3316, 0.5749



12.2413, 0.2235, 0.5085

Triad

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



12.2413, 0.3316, 0.5749



12.2413, 0.1228, 0.1691



12.2413, 0.5011, 0.2770

Complementary

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



12.2413, 0.3316, 0.5749



2.2276, 0.2192, 0.0981

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.



12.2413, 0.3728, 0.2125



12.2413, 0.3316, 0.5749



12.2413, 0.1637, 0.1536

Square

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



12.2413, 0.3316, 0.5749



12.2413, 0.1160, 0.2277



12.2413, 0.2466, 0.1691



12.2413, 0.5592, 0.3511

Rectangle

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



12.2413, 0.3316, 0.5749



12.2413, 0.1669, 0.4039



12.2413, 0.2466, 0.1691



12.2413, 0.4629, 0.2539

Sweetspot

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



12.2418, 0.3316, 0.5749



25.3640, 0.3288, 0.4084



6.8477, 0.5204, 0.4250



6.0277, 0.3303, 0.4177



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.



12.2418, 0.3316, 0.5749



21.4337, 0.3298, 0.5763



11.6013, 0.2984, 0.5943



3.8280, 0.3176, 0.3503



14.1382, 0.3311, 0.5753



69.9359, 0.3273, 0.5783

Inverse Universe

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



2.2276, 0.2192, 0.0981



3.8389, 0.2168, 0.0968



4.4942, 0.3333, 0.1610



3.3843, 0.3075, 0.3078



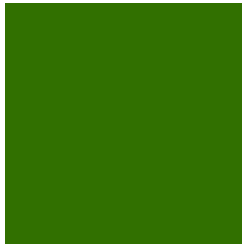
2.5609, 0.2185, 0.0977



12.2398, 0.2134, 0.0949

Previews

White Background



This preview shows how the Yxy color 12.2413, 0.3316, 0.5749 looks on a white background.

Color Contrast Check

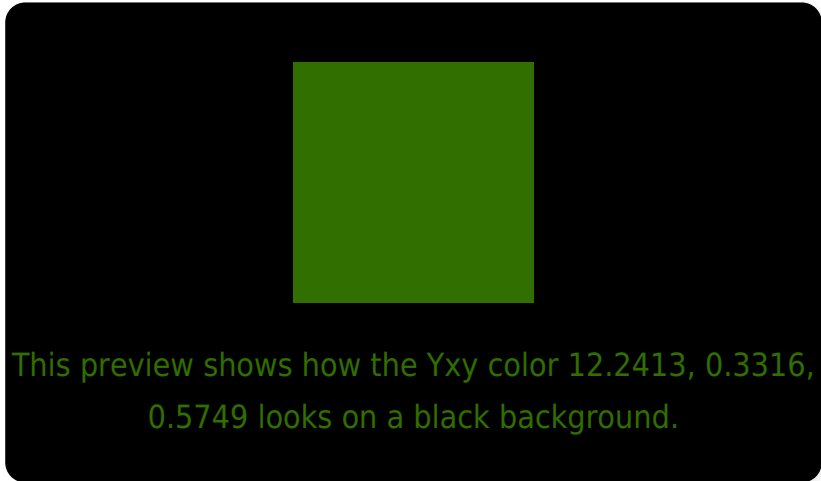
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2413, 0.3316, 0.5749

Background



This preview shows how black text looks on a background with the Yxy color 12.2413, 0.3316, 0.5749.



This preview shows how white text looks on a background with the Yxy color 12.2413, 0.3316, 0.5749.

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

12.2413, 0.3316, 0.5749

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

12.1015, 0.4559, 0.4509



Tritanopia

12.2287, 0.2562, 0.3095

Trichromacy



Original Color

12.2413, 0.3316, 0.5749

Protanomaly

11.7752, 0.3952, 0.5244

Deuteranomaly

11.6356, 0.4063, 0.4993

Tritanomaly

11.9310, 0.2948, 0.4258

Monochromacy



Original Color

12.2413, 0.3316, 0.5749

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.1585, 0.3343, 0.4451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2413, 0.3316, 0.5749 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(49, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.2413, 0.3316, 0.5749 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(49, 112, 0) }
```

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

```
.border{ border-color:rgb(49, 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(49, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(49, 112, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2413, 0.3316, 0.5749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 112, 0) }
```

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

```
.background{ background-color: rgb(49, 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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