

Converting Colors

$Y_{xy}(13.0907, 0.3397, 0.5685)$

Have a look what the booklet for
Yxy(13.0907, 0.3397, 0.5685)
contains.

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Color

Yxy(13.1610, 0.3400, 0.5682)

Conversions

Conversions Part 1

Format	Color
Hex	3A7300
RGB	58, 115, 0
RGB Percent	23%, 45%, 0%
CMY	0.7726, 0.5490, 0.9998
CMYK	0.50, 0.00, 1.00, 0.55
HSL	90°, 100%, 23%
HSV	90°, 100%, 45%
XYZ	7.8753, 13.1610, 2.1263
YIQ	84.8470, 2.9430, -47.8490

Conversions

Conversions Part 2

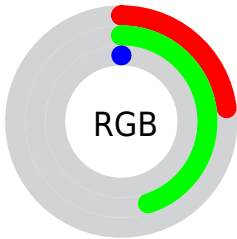
Format	Color
RYB	0, 115, 57
Decimal	3830528
CIELab	43.00, -36.35, 47.87
CIELCh	43, 60.112, 127.211
Yxy	13.1610, 0.3400, 0.5682
Android (android.graphics.Color)	4282020608 (0xFF3A7300)
YUV	84.8470, -41.8296, -23.5448
Hunter-Lab	36.2781, -24.7377, 21.9196

Details

The Yxy color **13.1610, 0.3400, 0.5682** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.1105, 0.2057, 0.0907**, and the grayscale version is **9.1400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7869, 0.3432, 0.5067**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.1608, 0.3400, 0.5683**, and if you desaturate by 10%, it is **13.3674, 0.3435, 0.5539**.

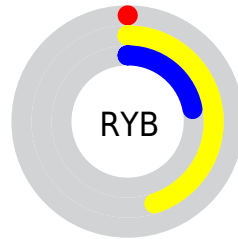
Distribution



Red (23%)

Green (45%)

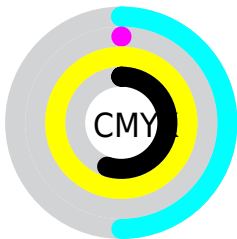
Blue (0%)



Red (0%)

Yellow (45%)

Blue (22%)

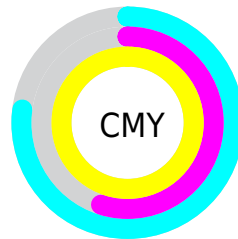


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (77%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1610, 0.3400, 0.5682 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 13.1610, 0.3400, 0.5682 by changing the saturation by 10% instead.


 13.1610, 0.3400,
0.5682


 13.1610, 0.3400,
0.5682


211.9469, 0.3347,
0.4194


 7.5395, 0.3323,
0.6161


 31.5927, 0.3431,
0.5065


 3.8017, 0.3140,
0.6860

 45.1717, 0.3423,
0.4855

 1.5633, 0.2353,
0.7647

 62.1721, 0.3411,
0.4688

 0.3327, 0.0000,
1.0000

 82.9781, 0.3397,
0.4551


 0.0000, 0.0000,
0.0000


 107.9742, 0.3384,
0.4438


 137.5448, 0.3371,

0.4344


 172.0742, 0.3358,
0.4263


 13.1610, 0.3400,
0.5682


 13.1610, 0.3400,
0.5682

 13.1608, 0.3400,
0.5683

 13.3674, 0.3435,
0.5539

 13.6041, 0.3459,
0.5367

 13.8808, 0.3463,
0.5149

 14.2005, 0.3448,
0.4896

 14.5658, 0.3416,
0.4621

■ 14.9787, 0.3371,
0.4337

■ 15.4415, 0.3316,
0.4055

■ 15.9561, 0.3255,
0.3783

■ 16.5243, 0.3191,
0.3527

Harmonies

Analogous

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



13.1610, 0.4463, 0.5140



13.1610, 0.3400, 0.5682



13.1610, 0.2327, 0.5118

Triad

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



13.1610, 0.3400, 0.5682



13.1610, 0.1244, 0.1746



13.1610, 0.4896, 0.2738

Complementary

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



13.1610, 0.3400, 0.5682



2.1105, 0.2057, 0.0907

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.



13.1610, 0.3624, 0.2111



13.1610, 0.3400, 0.5682



13.1610, 0.1626, 0.1567

Square

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



13.1610, 0.3400, 0.5682



13.1610, 0.1202, 0.2363



13.1610, 0.2413, 0.1700



13.1610, 0.5530, 0.3468

Rectangle

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



13.1610, 0.3400, 0.5682



13.1610, 0.1750, 0.4130



13.1610, 0.2413, 0.1700



13.1610, 0.4510, 0.2512

Sweetspot

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



13.1616, 0.3400, 0.5682



27.5772, 0.3321, 0.4078



6.4357, 0.5393, 0.4099



6.5110, 0.3340, 0.4172



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.1616, 0.3400, 0.5682



23.4862, 0.3382, 0.5696



12.2750, 0.3006, 0.5995



4.1805, 0.3186, 0.3504



15.0318, 0.3395, 0.5686



72.7415, 0.3359, 0.5715

Inverse Universe

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



2.1105, 0.2057, 0.0907



3.6970, 0.2031, 0.0892



4.7554, 0.3169, 0.1520



3.6708, 0.3065, 0.3076



2.3979, 0.2050, 0.0903



11.1766, 0.1997, 0.0874

Previews

White Background



This preview shows how the Yxy color 13.1610, 0.3400, 0.5682 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



This preview shows how the Yxy color 13.1610, 0.3400, 0.5682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

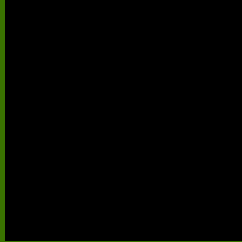
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1610, 0.3400, 0.5682

Background



This preview shows how black text looks on a background with the Yxy color 13.1610, 0.3400, 0.5682.



This preview shows how white text looks on a background with the Yxy color 13.1610, 0.3400, 0.5682.

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

13.1610, 0.3400, 0.5682

Protanopia

13.0801, 0.4382, 0.4903

Deuteranopia

12.9396, 0.4569, 0.4517



Tritanopia

13.1697, 0.2615, 0.3103

Trichromacy



Original Color

13.1610, 0.3400, 0.5682

Protanomaly

12.8951, 0.3991, 0.5213

Deuteranomaly

12.5598, 0.4116, 0.4964

Tritanomaly

12.8618, 0.3021, 0.4241

Monochromacy



Original Color

13.1610, 0.3400, 0.5682

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.1279, 0.3382, 0.4420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1610, 0.3400, 0.5682 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(58, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 115, 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(58, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1610, 0.3400, 0.5682 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(58, 115, 0) }
```

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

```
.border{ border-color:rgb(58, 115, 0) }
```

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

Here you see how a box with a 4 pixel rgb(58, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(58, 115, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1610, 0.3400, 0.5682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 115, 0) }
```

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

```
.background{ background-color: rgb(58, 115,  
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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