

Converting Colors

$Y_{xy}(8.1099, 0.6303, 0.3246)$

Have a look what the booklet for
Yxy(8.1099, 0.6303, 0.3246)
contains.

Yxy(8.1360, 0.6306, 0.3248)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(8.1360, 0.6306, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	A6000D
RGB	166, 0, 13
RGB Percent	65%, 0%, 5%
CMY	0.3491, 0.9996, 0.9492
CMYK	0.00, 1.00, 0.92, 0.35
HSL	355°, 100%, 33%
HSV	355°, 100%, 65%
XYZ	15.7961, 8.1360, 1.1172
YIQ	51.1160, 94.7630, 39.2350

Conversions

Conversions Part 2

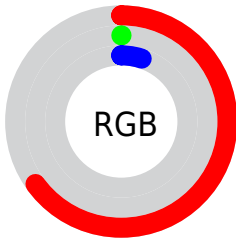
Format	Color
RYB	166, 0, 13
Decimal	10878989
CIELab	34.26, 58.24, 43.20
CIElCh	34, 72.516, 36.568
Yxy	8.1360, 0.6306, 0.3248
Android (android.graphics.Color)	4289069069 (0xFFA6000D)
YUV	51.1160, -18.7912, 100.7533
Hunter-Lab	28.5237, 48.9347, 17.6443

Details

The Yxy color **8.1360, 0.6306, 0.3248** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **29.5718, 0.2313, 0.3527**, and the grayscale version is **3.3449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.1324, 0.5556, 0.3448**, and **2.9431, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **8.1341, 0.6307, 0.3248**, and if you desaturate by 10%, it is **8.5822, 0.6056, 0.3222**.

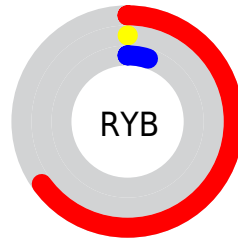
Distribution



Red (65%)

Green (0%)

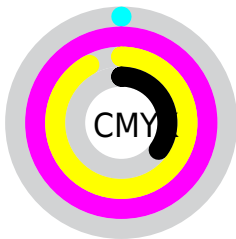
Blue (5%)



Red (65%)

Yellow (0%)

Blue (5%)

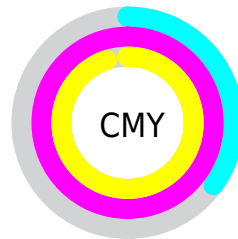


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (35%)



Cyan (35%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 8.1360, 0.6306, 0.3248 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 8.1360, 0.6306, 0.3248 by changing the saturation by 10% instead.


 8.1360, 0.6306,
0.3248


 8.1360, 0.6306,
0.3248

 176.7949, 0.4386,
0.3502


 4.1821, 0.6937,
0.3063

 22.2246, 0.5553,
0.3447


 1.7759, 0.7420,
0.2580

 33.1281, 0.5281,
0.3484


 0.4721, 0.8325,
0.1675

 47.1170, 0.5059,
0.3503

 0.0000, 1.0000,
0.0000


 64.5755, 0.4876,
0.3511


 0.0000, 0.0000,
0.0000


 85.8882, 0.4723,
0.3513


 111.4394, 0.4593,


0.3511


 141.6135, 0.4482,
0.3507


 8.1360, 0.6306,
0.3248


 8.1360, 0.6306,
0.3248


 8.1341, 0.6307,
0.3248

 8.5822, 0.6056,
0.3222

 9.3884, 0.5691,
0.3195

 10.6924, 0.5252,
0.3183

 12.5571, 0.4803,
0.3184

 15.0362, 0.4387,
0.3195

■ 18.1772, 0.4027,
0.3212

■ 22.0228, 0.3727,
0.3232

■ 26.6122, 0.3483,
0.3252

■ 31.9817, 0.3285,
0.3272

Harmonies

Analogous

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



8.1360, 0.5547, 0.2467



8.1360, 0.6306, 0.3248



8.1360, 0.5803, 0.4197

Triad

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



8.1360, 0.6306, 0.3248



8.1360, 0.1928, 0.6099



8.1360, 0.1216, 0.1143

Complementary

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



8.1360, 0.6306, 0.3248



29.5718, 0.2313, 0.3527

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.



8.1360, 0.0811, 0.1310



8.1360, 0.6306, 0.3248



8.1360, 0.1041, 0.3683

Square

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



8.1360, 0.6306, 0.3248



8.1360, 0.3263, 0.6689



8.1360, 0.0738, 0.1986



8.1360, 0.2122, 0.1294

Rectangle

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



8.1360, 0.6306, 0.3248



8.1360, 0.5022, 0.4978



8.1360, 0.0738, 0.1986



8.1360, 0.1037, 0.1159

Sweetspot

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



8.1365, 0.6306, 0.3248



39.5070, 0.3744, 0.3230



9.4458, 0.3002, 0.1428



8.1791, 0.3860, 0.3222



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



8.1365, 0.6306, 0.3248



14.7533, 0.6329, 0.3260



12.3889, 0.5634, 0.3907



7.5514, 0.3274, 0.3273



6.3118, 0.6295, 0.3241



0.1564, 0.5858, 0.3001

Inverse Universe

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



8.1365, 0.6306, 0.3248



14.7533, 0.6329, 0.3260



11.2781, 0.1855, 0.1877



7.5514, 0.3274, 0.3273



6.3118, 0.6295, 0.3241



0.1564, 0.5858, 0.3001

Previews

White Background



This preview shows how the Yxy color 8.1360, 0.6306, 0.3248 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 ✓ Pass

Black Background



This preview shows how the Yxy color 8.1360, 0.6306, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 8.1360, 0.6306, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 8.1360, 0.6306, 0.3248.



This preview shows how white text looks on a background with the Yxy color 8.1360, 0.6306, 0.3248.

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

8.1360, 0.6306, 0.3248

Protanopia

8.8042, 0.4170, 0.4591

Deuteranopia

8.8015, 0.4675, 0.4670



Tritanopia

8.3410, 0.6323, 0.3362

Trichromacy



Original Color

8.1360, 0.6306, 0.3248

Protanomaly

6.6011, 0.5279, 0.3799

Deuteranomaly

6.9678, 0.5607, 0.3863

Tritanomaly

8.2274, 0.6315, 0.3319

Monochromacy



Original Color

8.1360, 0.6306, 0.3248

Achromatopsia

3.3105, 0.3127, 0.3290

Achromatomaly

3.4938, 0.4877, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 8.1360, 0.6306, 0.3248 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(166, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 13)  
}
```

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(166, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 13) }
```

Border

The CSS property to change the border of an element to Yxy 8.1360, 0.6306, 0.3248 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(166, 0, 13) }
```

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

```
.border{ border-color:rgb(166, 0, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 0, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 8.1360, 0.6306, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 13) }
```

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

```
.background{ background-color: rgb(166, 0,  
13) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor