

Converting Colors

$Y_{xy}(23.5557, 0.5601, 0.3935)$

Have a look what the booklet for
Yxy(23.5557, 0.5601, 0.3935)
contains.

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Color

Yxy(23.4258, 0.5605, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	DB6000
RGB	219, 96, 0
RGB Percent	86%, 38%, 0%
CMY	0.1412, 0.6235, 1.0000
CMYK	0.00, 0.56, 1.00, 0.14
HSL	26°, 100%, 43%
HSV	26°, 100%, 86%
XYZ	33.3931, 23.4258, 2.7584
YIQ	121.8330, 104.1240, -3.7800

Conversions

Conversions Part 2

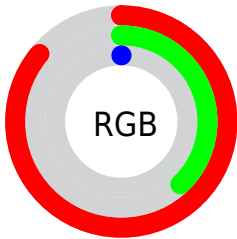
Format	Color
RYB	219, 171, 0
Decimal	14376960
CIELab	55.51, 44.59, 64.55
CIELCh	56, 78.452, 55.366
Yxy	23.4258, 0.5605, 0.3932
Android (android.graphics.Color)	4292567040 (0xFFDB6000)
YUV	121.8330, -60.0637, 85.2155
Hunter-Lab	48.4002, 38.4534, 30.5011

Details

The Yxy color **23.4258, 0.5605, 0.3932** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **19.2717, 0.1825, 0.1771**, and the grayscale version is **19.5814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1365, 0.4966, 0.4046**, and **8.7957, 0.5998, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **23.4274, 0.5605, 0.3932**, and if you desaturate by 10%, it is **25.9075, 0.5381, 0.4012**.

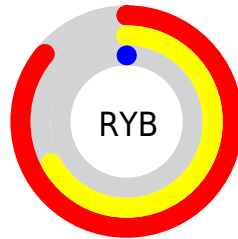
Distribution



Red (86%)

Green (38%)

Blue (0%)



Red (86%)

Yellow (67%)

Blue (0%)

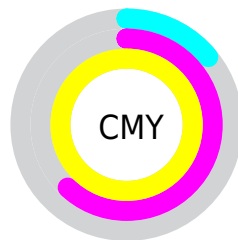


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4258, 0.5605, 0.3932 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 23.4258, 0.5605, 0.3932 by changing the saturation by 10% instead.


 23.4258, 0.5605,
0.3932


 23.4258, 0.5605,
0.3932

269.9045, 0.4340,
0.3790

 14.9082, 0.5872,
0.3875


 49.0915, 0.5170,
0.3944


 8.7550, 0.6220,
0.3780


 67.0085, 0.4996,
0.3929

 4.5817, 0.6495,
0.3505

 88.8274, 0.4846,
0.3907

 2.0040, 0.6902,
0.3098

 114.9326, 0.4716,
0.3883

 0.6098, 0.7634,
0.2366

 145.7085, 0.4603,
0.3859


 0.0000, 1.0000,
0.0000


 181.5396, 0.4504,


 0.0000, 0.0000,

0.3835

0.0000


 222.8101, 0.4417,
0.3812


 23.4258, 0.5605,
0.3932

 23.4258, 0.5605,
0.3932

 23.4274, 0.5605,
0.3932

 25.9075, 0.5381,
0.4012

 28.8193, 0.5114,
0.4043

 32.1982, 0.4817,
0.4022

 36.0699, 0.4512,
0.3958

 40.4574, 0.4216,
0.3865

■ 45.3819, 0.3943,
0.3753

■ 50.8631, 0.3696,
0.3634

■ 56.9197, 0.3479,
0.3515

■ 63.5691, 0.3291,
0.3399

Harmonies

Analogous

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



23.4258, 0.5548, 0.3137



23.4258, 0.5605, 0.3932



23.4258, 0.4896, 0.4846

Triad

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



23.4258, 0.5605, 0.3932



23.4258, 0.1700, 0.4302



23.4258, 0.1979, 0.1527

Complementary

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



23.4258, 0.5605, 0.3932



19.2717, 0.1825, 0.1771

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.



23.4258, 0.1344, 0.1505



23.4258, 0.5605, 0.3932



23.4258, 0.1180, 0.2719

Square

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



23.4258, 0.5605, 0.3932



23.4258, 0.2679, 0.5705



23.4258, 0.1092, 0.1836



23.4258, 0.3096, 0.1842

Rectangle

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



23.4258, 0.5605, 0.3932



23.4258, 0.4204, 0.5454



23.4258, 0.1092, 0.1836



23.4258, 0.1718, 0.1486

Sweetspot

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



23.4274, 0.5605, 0.3932



71.6030, 0.3702, 0.3638



16.5156, 0.4698, 0.2362



14.6026, 0.3804, 0.3688



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.4274, 0.5605, 0.3932



32.8065, 0.5619, 0.3921



58.4284, 0.4316, 0.4955



13.9863, 0.3281, 0.3393



14.1030, 0.5579, 0.3952



1.0833, 0.5298, 0.4175

Inverse Universe

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



19.2717, 0.1825, 0.1771



26.9220, 0.1822, 0.1758



5.4442, 0.1510, 0.0635



13.8241, 0.2982, 0.3185



11.6504, 0.1832, 0.1795



0.9253, 0.1906, 0.2061

Previews

White Background



This preview shows how the Yxy color 23.4258, 0.5605, 0.3932 looks on a white 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

Black Background



This preview shows how the Yxy color 23.4258, 0.5605, 0.3932 looks on a black 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

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

Yxy 23.4258, 0.5605, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 23.4258, 0.5605, 0.3932.



This preview shows how white text looks on a background with the Yxy color 23.4258, 0.5605, 0.3932.

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

23.4258, 0.5605, 0.3932

Protanopia

23.6836, 0.4349, 0.4808

Deuteranopia

23.6138, 0.4709, 0.4643



Tritanopia

23.3431, 0.4907, 0.3230

Trichromacy



Original Color

23.4258, 0.5605, 0.3932

Protanomaly

22.6921, 0.4857, 0.4463

Deuteranomaly

23.0556, 0.5061, 0.4364

Tritanomaly

23.1962, 0.5312, 0.3607

Monochromacy



Original Color

23.4258, 0.5605, 0.3932

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5284, 0.4189, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4258, 0.5605, 0.3932 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(219, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 96, 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(219, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 96, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.4258, 0.5605, 0.3932 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(219, 96, 0) }
```

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

```
.border{ border-color:rgb(219, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 96, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.4258, 0.5605, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 96, 0) }
```

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

```
.background{ background-color: rgb(219, 96,  
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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