

Converting Colors

$Yxy(17.6848, 0.6130, 0.3642)$

Have a look what the booklet for
Yxy(17.6848, 0.6130, 0.3642)
contains.

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Color

Yxy(17.7269, 0.6042, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	D83B00
RGB	216, 59, 0
RGB Percent	85%, 23%, 0%
CMY	0.1529, 0.7686, 0.9995
CMYK	0.00, 0.73, 1.00, 0.15
HSL	16°, 100%, 42%
HSV	16°, 100%, 85%
XYZ	29.8845, 17.7269, 1.8498
YIQ	99.2170, 112.5110, 14.9350

Conversions

Conversions Part 2

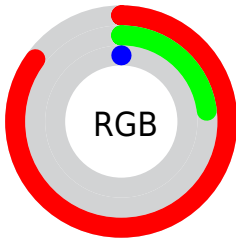
Format	Color
R_{YB}	216, 81, 0
Decimal	14170880
CIE _{Lab}	49.16, 59.12, 60.94
CIE _{LCh}	49, 84.901, 45.867
Yxy	17.7269, 0.6042, 0.3584
Android (android.graphics.Color)	4292360960 (0xFFD83B00)
YUV	99.2170, -48.9140, 102.4187
Hunter-Lab	42.1033, 53.0165, 26.8674

Details

The Yxy color **17.7269, 0.6042, 0.3584** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **29.1132, 0.1992, 0.2369**, and the grayscale version is **12.6435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0665, 0.5334, 0.3764**, and **6.6754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.7189, 0.6043, 0.3584**, and if you desaturate by 10%, it is **19.6494, 0.5785, 0.3672**.

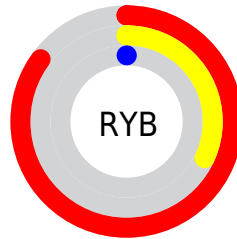
Distribution



Red (85%)

Green (23%)

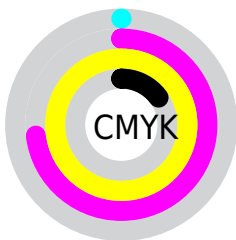
Blue (0%)



Red (85%)

Yellow (32%)

Blue (0%)

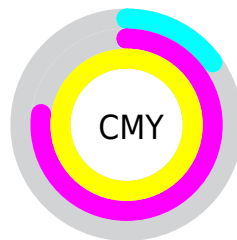


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7269, 0.6042, 0.3584 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 17.7269, 0.6042, 0.3584 by changing the saturation by 10% instead.


 17.7269, 0.6042,
0.3584


 17.7269, 0.6042,
0.3584


 239.3272, 0.4494,
0.3667


 10.7541, 0.6396,
0.3456


 39.5714, 0.5498,
0.3696


 5.9017, 0.6780,
0.3220


 55.2119, 0.5284,
0.3712


 2.7854, 0.7185,
0.2815


 74.5104, 0.5101,
0.3715

 1.0208, 0.7781,
0.2219

 97.8514, 0.4944,
0.3711


 0.0000, 1.0000,
0.0000


 125.6191, 0.4808,
0.3703

 0.0000, 0.0000,
0.0000


 158.1981, 0.4689,


0.3692


 195.9726, 0.4585,
0.3680


 17.7269, 0.6042,
0.3584


 17.7269, 0.6042,
0.3584


 17.7189, 0.6043,
0.3584

 19.6494, 0.5785,
0.3672

 22.1597, 0.5455,
0.3725

 25.3148, 0.5078,
0.3733

 29.1590, 0.4696,
0.3704

 33.7317, 0.4335,
0.3650

■ 39.0697, 0.4012,
0.3581

■ 45.2067, 0.3732,
0.3506

■ 52.1745, 0.3494,
0.3431

■ 60.0033, 0.3294,
0.3358

Harmonies

Analogous

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



17.7269, 0.5697, 0.2787



17.7269, 0.6042, 0.3584



17.7269, 0.5382, 0.4574

Triad

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



17.7269, 0.6042, 0.3584



17.7269, 0.1743, 0.5192



17.7269, 0.1544, 0.1280

Complementary

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



17.7269, 0.6042, 0.3584



29.1132, 0.1992, 0.2369

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.



17.7269, 0.1018, 0.1348



17.7269, 0.6042, 0.3584



17.7269, 0.1043, 0.3075

Square

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



17.7269, 0.6042, 0.3584



17.7269, 0.2903, 0.6361



17.7269, 0.0856, 0.1831



17.7269, 0.2602, 0.1519

Rectangle

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



17.7269, 0.6042, 0.3584



17.7269, 0.4635, 0.5358



17.7269, 0.0856, 0.1831



17.7269, 0.1319, 0.1267

Sweetspot

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



17.7280, 0.6042, 0.3584



65.5099, 0.3741, 0.3509



17.0857, 0.4032, 0.1995



13.1803, 0.3855, 0.3541



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.



17.7280, 0.6042, 0.3584



25.5846, 0.6059, 0.3571



41.7381, 0.4681, 0.4665



12.9665, 0.3284, 0.3354



10.6423, 0.6017, 0.3605



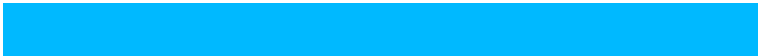
0.7799, 0.5671, 0.3879

Inverse Universe

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



29.1132, 0.1992, 0.2369



42.1052, 0.1989, 0.2359



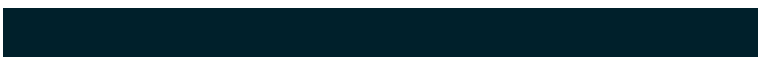
7.2823, 0.1567, 0.0842



13.5083, 0.2982, 0.3225



17.4124, 0.1996, 0.2384



1.1847, 0.2044, 0.2559

Previews

White Background



This preview shows how the Yxy color 17.7269, 0.6042, 0.3584 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 17.7269, 0.6042, 0.3584 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 17.7269, 0.6042, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 17.7269, 0.6042, 0.3584.



This preview shows how white text looks on a background with the Yxy color 17.7269, 0.6042, 0.3584.

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

17.7269, 0.6042, 0.3584

Protanopia

17.9283, 0.4302, 0.4773

Deuteranopia

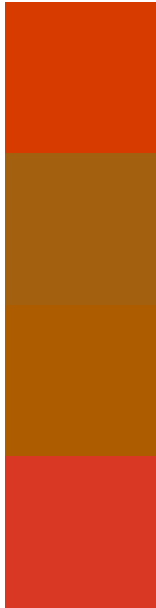
17.8842, 0.4690, 0.4658



Tritanopia

17.7795, 0.5670, 0.3281

Trichromacy



Original Color

17.7269, 0.6042, 0.3584

Protanomaly

16.3704, 0.5066, 0.4261

Deuteranomaly

16.7129, 0.5291, 0.4181

Tritanomaly

17.7074, 0.5888, 0.3435

Monochromacy



Original Color

17.7269, 0.6042, 0.3584

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4503, 0.4480, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7269, 0.6042, 0.3584 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(216, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 59, 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(216, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 59, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.7269, 0.6042, 0.3584 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(216, 59, 0) }
```

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

```
.border{ border-color:rgb(216, 59, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 59, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 59, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7269, 0.6042, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 59, 0) }
```

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

```
.background{ background-color: rgb(216, 59,  
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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