

Converting Colors

$Y_{xy}(17.3779, 0.6093, 0.3544)$

Have a look what the booklet for
Yxy(17.3779, 0.6093, 0.3544)
contains.

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Color

Yxy(17.3900, 0.6096, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	D93600
RGB	217, 54, 0
RGB Percent	85%, 21%, 0%
CMY	0.1491, 0.7880, 1.0000
CMYK	0.00, 0.75, 1.00, 0.15
HSL	15°, 100%, 43%
HSV	15°, 100%, 85%
XYZ	29.9293, 17.3900, 1.7773
YIQ	96.5810, 114.4820, 17.7620

Conversions

Conversions Part 2

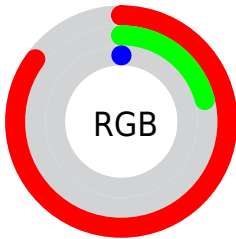
Format	Color
RYB	217, 72, 0
Decimal	14235136
CIELab	48.75, 61.08, 60.90
CIElCh	49, 86.253, 44.916
Yxy	17.3900, 0.6096, 0.3542
Android (android.graphics.Color)	4292425216 (0xFFD93600)
YUV	96.5810, -47.6144, 105.6075
Hunter-Lab	41.7013, 55.1331, 26.6640

Details

The Yxy color **17.3900, 0.6096, 0.3542** 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 **31.1771, 0.2015, 0.2453**, and the grayscale version is **11.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3757, 0.5371, 0.3741**, and **6.6754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.3912, 0.6096, 0.3542**, and if you desaturate by 10%, it is **19.2283, 0.5840, 0.3627**.

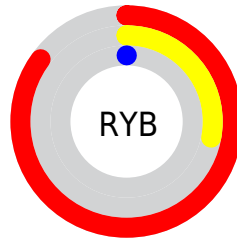
Distribution



Red (85%)

Green (21%)

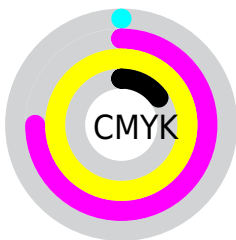
Blue (0%)



Red (85%)

Yellow (28%)

Blue (0%)

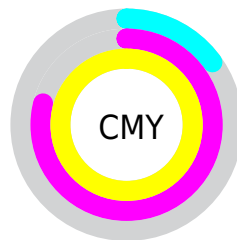


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3900, 0.6096, 0.3542 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 17.3900, 0.6096, 0.3542 by changing the saturation by 10% instead.


 17.3900, 0.6096,
0.3542


 17.3900, 0.6096,
0.3542


 237.4099, 0.4517,
0.3654


 10.5129, 0.6459,
0.3407


 38.9951, 0.5542,
0.3666


 5.7404, 0.6845,
0.3155

 54.4920, 0.5323,
0.3687

 2.6879, 0.7262,
0.2738

 73.6309, 0.5136,
0.3693

 0.9710, 0.7871,
0.2129

 96.7962, 0.4976,
0.3691

 0.0000, 1.0000,
0.0000


 124.3724, 0.4837,
0.3685

 0.0000, 0.0000,
0.0000


 156.7438, 0.4716,


0.3676


 194.2948, 0.4610,
0.3665


 17.3900, 0.6096,
0.3542


 17.3900, 0.6096,
0.3542


 17.3912, 0.6096,
0.3542

 19.2283, 0.5840,
0.3627

 21.6831, 0.5505,
0.3681

 24.8172, 0.5119,
0.3692

 28.6792, 0.4725,
0.3668

 33.3130, 0.4355,
0.3620

■ 38.7586, 0.4024,
0.3557

■ 45.0532, 0.3739,
0.3489

■ 52.2319, 0.3498,
0.3419

■ 60.3273, 0.3296,
0.3353

Harmonies

Analogous

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



17.3900, 0.5716, 0.2746



17.3900, 0.6096, 0.3542



17.3900, 0.5444, 0.4542

Triad

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



17.3900, 0.6096, 0.3542



17.3900, 0.1743, 0.5309



17.3900, 0.1495, 0.1250

Complementary

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



17.3900, 0.6096, 0.3542



31.1771, 0.2015, 0.2453

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.



17.3900, 0.0981, 0.1327



17.3900, 0.6096, 0.3542



17.3900, 0.1023, 0.3121

Square

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



17.3900, 0.6096, 0.3542



17.3900, 0.2920, 0.6430



17.3900, 0.0828, 0.1827



17.3900, 0.2545, 0.1481

Rectangle

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



17.3900, 0.6096, 0.3542



17.3900, 0.4672, 0.5328



17.3900, 0.0828, 0.1827



17.3900, 0.1275, 0.1240

Sweetspot

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



17.3912, 0.6096, 0.3542



64.6802, 0.3746, 0.3490



17.5142, 0.3913, 0.1929



12.9883, 0.3862, 0.3520



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.



17.3912, 0.6096, 0.3542



24.8731, 0.6110, 0.3531



39.5846, 0.4766, 0.4598



13.5759, 0.3285, 0.3349



10.6719, 0.6071, 0.3561



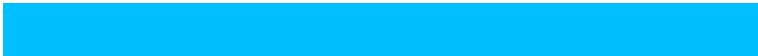
0.8279, 0.5749, 0.3817

Inverse Universe

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



31.1771, 0.2015, 0.2453



44.6906, 0.2013, 0.2445



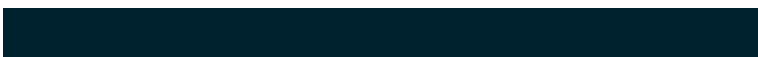
8.0206, 0.1585, 0.0906



14.2515, 0.2982, 0.3230



19.0526, 0.2019, 0.2467



1.3674, 0.2060, 0.2617

Previews

White Background



This preview shows how the Yxy color 17.3900, 0.6096, 0.3542 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 17.3900, 0.6096, 0.3542 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 17.3900, 0.6096, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 17.3900, 0.6096, 0.3542.



This preview shows how white text looks on a background with the Yxy color 17.3900, 0.6096, 0.3542.

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

17.3900, 0.6096, 0.3542

Protanopia

17.6181, 0.4297, 0.4762

Deuteranopia

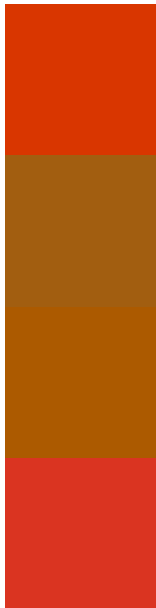
17.5719, 0.4694, 0.4655



Tritanopia

17.5210, 0.5768, 0.3290

Trichromacy



Original Color

17.3900, 0.6096, 0.3542

Protanomaly

15.7242, 0.5100, 0.4222

Deuteranomaly

16.0830, 0.5332, 0.4149

Tritanomaly

17.4712, 0.5953, 0.3419

Monochromacy



Original Color

17.3900, 0.6096, 0.3542

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8954, 0.4516, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3900, 0.6096, 0.3542 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(217, 54, 0)` looks like.

```
.text, #text, p{  
  color:rgb(217, 54, 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(217, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 54, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.3900, 0.6096, 0.3542 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(217, 54, 0) }
```

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

```
.border{ border-color:rgb(217, 54, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 54, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 54, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3900, 0.6096, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 54, 0) }
```

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

```
.background{ background-color: rgb(217, 54,  
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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