

Converting Colors

$Y_{xy}(17.2635, 0.6105, 0.3535)$

Have a look what the booklet for
Yxy(17.2635, 0.6105, 0.3535)
contains.

Yxy(17.2979, 0.6106, 0.3534)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2979, 0.6106, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	D93500
RGB	217, 53, 0
RGB Percent	85%, 21%, 0%
CMY	0.1490, 0.7921, 1.0000
CMYK	0.00, 0.76, 1.00, 0.15
HSL	15°, 100%, 43%
HSV	15°, 100%, 85%
XYZ	29.8871, 17.2979, 1.7621
YIQ	95.9940, 114.7570, 18.2850

Conversions

Conversions Part 2

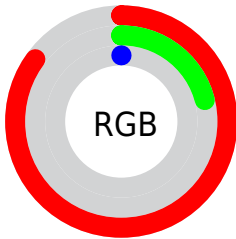
Format	Color
RYB	217, 70, 0
Decimal	14234880
CIELab	48.63, 61.41, 60.85
CIElCh	49, 86.453, 44.735
Yxy	17.2979, 0.6106, 0.3534
Android (android.graphics.Color)	4292424960 (0xFFD93500)
YUV	95.9940, -47.3250, 106.1223
Hunter-Lab	41.5907, 55.4862, 26.6016

Details

The Yxy color **17.2979, 0.6106, 0.3534** 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 **31.5506, 0.2020, 0.2470**, and the grayscale version is **11.7946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1538, 0.5381, 0.3732**, and **6.6754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.2991, 0.6106, 0.3534**, and if you desaturate by 10%, it is **19.1156, 0.5851, 0.3618**.

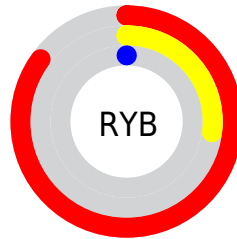
Distribution



Red (85%)

Green (21%)

Blue (0%)



Red (85%)

Yellow (27%)

Blue (0%)

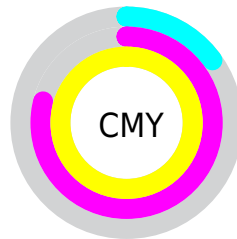


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (79%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2979, 0.6106, 0.3534 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 17.2979, 0.6106, 0.3534 by changing the saturation by 10% instead.


 17.2979, 0.6106,
0.3534


 17.2979, 0.6106,
0.3534


 236.8833, 0.4521,
0.3651


 10.4471, 0.6472,
0.3397


 38.8373, 0.5549,
0.3661

 5.6964, 0.6858,
0.3142

 54.2946, 0.5330,
0.3682


 2.6614, 0.7277,
0.2723

 73.3896, 0.5142,
0.3689

 0.9576, 0.7889,
0.2111

 96.5067, 0.4981,
0.3688

 0.0000, 1.0000,
0.0000


 124.0302, 0.4842,
0.3682


 0.0000, 0.0000,
0.0000

 156.3445, 0.4721,


0.3673

 193.8341, 0.4615,
0.3662

 17.2979, 0.6106,
0.3534


 17.2979, 0.6106,
0.3534

 17.2991, 0.6106,
0.3534

 19.1156, 0.5851,
0.3618

 21.5545, 0.5514,
0.3672

 24.6785, 0.5127,
0.3684

 28.5369, 0.4731,
0.3661

 33.1744, 0.4358,
0.3613

■ 38.6318, 0.4026,
0.3552

■ 44.9469, 0.3740,
0.3485

■ 52.1552, 0.3498,
0.3417

■ 60.2901, 0.3296,
0.3351

Harmonies

Analogous

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



17.2979, 0.5720, 0.2738



17.2979, 0.6106, 0.3534



17.2979, 0.5456, 0.4536

Triad

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



17.2979, 0.6106, 0.3534



17.2979, 0.1743, 0.5332



17.2979, 0.1486, 0.1245

Complementary

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



17.2979, 0.6106, 0.3534



31.5506, 0.2020, 0.2470

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.



17.2979, 0.0974, 0.1323



17.2979, 0.6106, 0.3534



17.2979, 0.1020, 0.3130

Square

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



17.2979, 0.6106, 0.3534



17.2979, 0.2923, 0.6442



17.2979, 0.0823, 0.1827



17.2979, 0.2535, 0.1474

Rectangle

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



17.2979, 0.6106, 0.3534



17.2979, 0.4679, 0.5321



17.2979, 0.0823, 0.1827



17.2979, 0.1267, 0.1235

Sweetspot

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



17.2991, 0.6106, 0.3534



64.5145, 0.3747, 0.3487



17.5174, 0.3913, 0.1929



12.9500, 0.3864, 0.3516



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.



17.2991, 0.6106, 0.3534



24.7389, 0.6120, 0.3523



39.5916, 0.4766, 0.4598



13.5657, 0.3285, 0.3348



10.6122, 0.6081, 0.3553



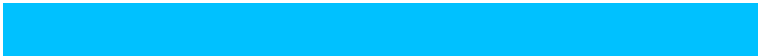
0.8228, 0.5760, 0.3809

Inverse Universe

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



31.5506, 0.2020, 0.2470



45.2237, 0.2017, 0.2462



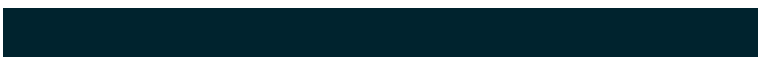
8.0220, 0.1585, 0.0906



14.2624, 0.2982, 0.3232



19.2734, 0.2023, 0.2483



1.3800, 0.2064, 0.2630

Previews

White Background



This preview shows how the Yxy color 17.2979, 0.6106, 0.3534 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 17.2979, 0.6106, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

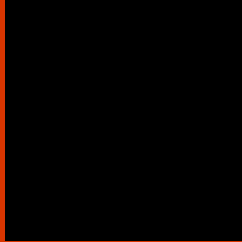
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2979, 0.6106, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 17.2979, 0.6106, 0.3534.



This preview shows how white text looks on a background with the Yxy color 17.2979, 0.6106, 0.3534.

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

17.2979, 0.6106, 0.3534

Protanopia

17.6181, 0.4297, 0.4762

Deuteranopia

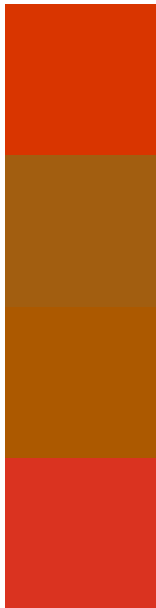
17.3549, 0.4710, 0.4642



Tritanopia

17.4256, 0.5788, 0.3291

Trichromacy



Original Color

17.2979, 0.6106, 0.3534

Protanomaly

15.7242, 0.5100, 0.4222

Deuteranomaly

15.9154, 0.5349, 0.4135

Tritanomaly

17.3774, 0.5969, 0.3417

Monochromacy



Original Color

17.2979, 0.6106, 0.3534

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6497, 0.4529, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2979, 0.6106, 0.3534 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, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 53, 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, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 53, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.2979, 0.6106, 0.3534 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, 53, 0) }
```

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

```
.border{ border-color:rgb(217, 53, 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, 53, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 53, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.2979, 0.6106, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 53, 0) }
```

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

```
.background{ background-color: rgb(217, 53,  
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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