

Converting Colors

$Y_{xy}(17.6496, 0.6163, 0.3488)$

Have a look what the booklet for
Yxy(17.6496, 0.6163, 0.3488)
contains.

Yxy(17.6435, 0.6164, 0.3488)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.6435, 0.6164, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	DE3000
RGB	222, 48, 0
RGB Percent	87%, 19%, 0%
CMY	0.1294, 0.8117, 1.0000
CMYK	0.00, 0.78, 1.00, 0.13
HSL	13°, 100%, 44%
HSV	13°, 100%, 87%
XYZ	31.1796, 17.6435, 1.7603
YIQ	94.5540, 119.1120, 21.9600

Conversions

Conversions Part 2

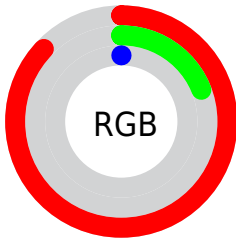
Format	Color
RYB	222, 61, 0
Decimal	14561280
CIELab	49.06, 64.40, 61.60
CIElCh	49, 89.121, 43.727
Yxy	17.6435, 0.6164, 0.3488
Android (android.graphics.Color)	4292751360 (0xFFDE3000)
YUV	94.5540, -46.6151, 111.7701
Hunter-Lab	42.0042, 58.9930, 26.9182

Details

The Yxy color **17.6435, 0.6164, 0.3488** 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 **35.5328, 0.2047, 0.2569**, and the grayscale version is **11.4270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5028, 0.5410, 0.3704**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6447, 0.6164, 0.3488**, and if you desaturate by 10%, it is **19.4167, 0.5914, 0.3568**.

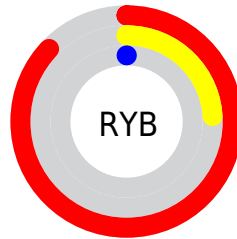
Distribution



Red (87%)

Green (19%)

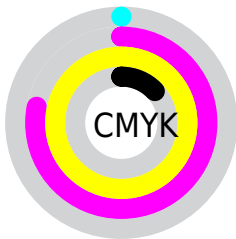
Blue (0%)



Red (87%)

Yellow (24%)

Blue (0%)

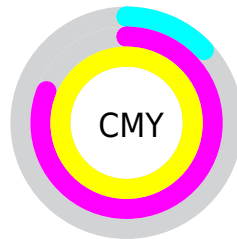


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (81%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6435, 0.6164, 0.3488 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 17.6435, 0.6164, 0.3488 by changing the saturation by 10% instead.


 17.6435, 0.6164,
0.3488


 17.6435, 0.6164,
0.3488


 238.8539, 0.4557,
0.3638


 10.6943, 0.6531,
0.3344


 39.4289, 0.5602,
0.3627

 5.8617, 0.6917,
0.3083

 55.0340, 0.5380,
0.3653


 2.7612, 0.7338,
0.2662

 74.2931, 0.5190,
0.3664

 1.0084, 0.7945,
0.2055

 97.5907, 0.5026,
0.3666


 0.0000, 1.0000,
0.0000


 125.3112, 0.4884,
0.3663

 0.0000, 0.0000,
0.0000

 157.8390, 0.4760,


0.3656

 195.5584, 0.4652,
0.3647


 17.6435, 0.6164,
0.3488


 17.6435, 0.6164,
0.3488


 17.6447, 0.6164,
0.3488

 19.4167, 0.5914,
0.3568

 21.8725, 0.5573,
0.3621

 25.0851, 0.5175,
0.3636

 29.1126, 0.4766,
0.3618

 34.0071, 0.4382,
0.3577

■ 39.8163, 0.4040,
0.3523

■ 46.5844, 0.3748,
0.3463

■ 54.3525, 0.3502,
0.3403

■ 63.1592, 0.3297,
0.3344

Harmonies

Analogous

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



17.6435, 0.5739, 0.2694



17.6435, 0.6164, 0.3488



17.6435, 0.5511, 0.4489

Triad

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



17.6435, 0.6164, 0.3488



17.6435, 0.1743, 0.5463



17.6435, 0.1435, 0.1214

Complementary

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



17.6435, 0.6164, 0.3488



35.5328, 0.2047, 0.2569

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.



17.6435, 0.0935, 0.1302



17.6435, 0.6164, 0.3488



17.6435, 0.0999, 0.3183

Square

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



17.6435, 0.6164, 0.3488



17.6435, 0.2941, 0.6512



17.6435, 0.0793, 0.1824



17.6435, 0.2474, 0.1434

Rectangle

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



17.6435, 0.6164, 0.3488



17.6435, 0.4717, 0.5283



17.6435, 0.0793, 0.1824



17.6435, 0.1220, 0.1207

Sweetspot

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



17.6447, 0.6164, 0.3488



63.5473, 0.3754, 0.3465



18.7267, 0.3798, 0.1866



12.7268, 0.3873, 0.3490



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.



17.6447, 0.6164, 0.3488



24.0084, 0.6175, 0.3479



39.1032, 0.4853, 0.4528



14.1788, 0.3287, 0.3341



10.6147, 0.6140, 0.3506



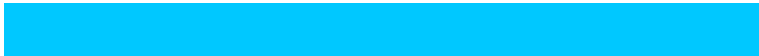
0.8670, 0.5844, 0.3742

Inverse Universe

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



35.5328, 0.2047, 0.2569



48.4508, 0.2045, 0.2563



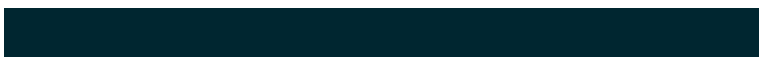
9.2403, 0.1605, 0.0978



15.0427, 0.2982, 0.3238



21.2763, 0.2050, 0.2581



1.6013, 0.2084, 0.2702

Previews

White Background



This preview shows how the Yxy color 17.6435, 0.6164, 0.3488 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 17.6435, 0.6164, 0.3488 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 17.6435, 0.6164, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 17.6435, 0.6164, 0.3488.



This preview shows how white text looks on a background with the Yxy color 17.6435, 0.6164, 0.3488.

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

17.6435, 0.6164, 0.3488

Protanopia

17.9370, 0.4291, 0.4757

Deuteranopia

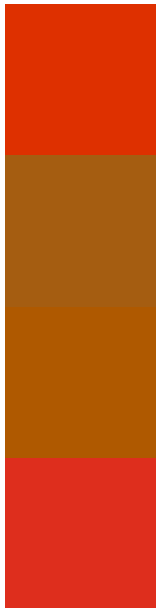
17.8842, 0.4690, 0.4658



Tritanopia

17.5958, 0.5911, 0.3298

Trichromacy



Original Color

17.6435, 0.6164, 0.3488

Protanomaly

15.8685, 0.5145, 0.4180

Deuteranomaly

16.2587, 0.5376, 0.4113

Tritanomaly

17.5723, 0.6047, 0.3392

Monochromacy



Original Color

17.6435, 0.6164, 0.3488

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4377, 0.4585, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6435, 0.6164, 0.3488 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(222, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 48, 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(222, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 48, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.6435, 0.6164, 0.3488 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(222, 48, 0) }
```

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

```
.border{ border-color:rgb(222, 48, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 48, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 48, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.6435, 0.6164, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 48, 0) }
```

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

```
.background{ background-color: rgb(222, 48,  
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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