

Converting Colors

$Y_{xy}(16.3502, 0.6172, 0.3482)$

Have a look what the booklet for
Yxy(16.3502, 0.6172, 0.3482)
contains.

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Color

Yxy(16.3238, 0.6174, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	D72D00
RGB	215, 45, 0
RGB Percent	84%, 18%, 0%
CMY	0.1569, 0.8234, 1.0000
CMYK	0.00, 0.79, 1.00, 0.16
HSL	13°, 100%, 42%
HSV	13°, 100%, 84%
XYZ	28.9607, 16.3238, 1.6230
YIQ	90.7000, 115.7650, 22.0450

Conversions

Conversions Part 2

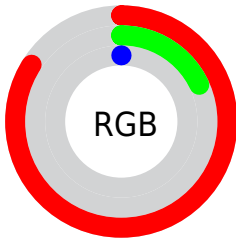
Format	Color
RYB	215, 57, 0
Decimal	14101760
CIELab	47.40, 63.19, 60.08
CIElCh	47, 87.198, 43.555
Yxy	16.3238, 0.6174, 0.3480
Android (android.graphics.Color)	4292291840 (0xFFD72D00)
YUV	90.7000, -44.7151, 109.0111
Hunter-Lab	40.4027, 57.2440, 25.9002

Details

The Yxy color **16.3238, 0.6174, 0.3480** 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 **33.6399, 0.2054, 0.2595**, and the grayscale version is **10.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8635, 0.5447, 0.3682**, and **6.4840, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.3249, 0.6174, 0.3480**, and if you desaturate by 10%, it is **17.9500, 0.5923, 0.3557**.

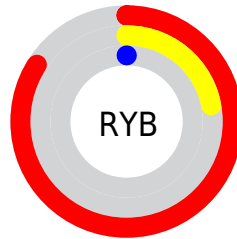
Distribution



Red (84%)

Green (18%)

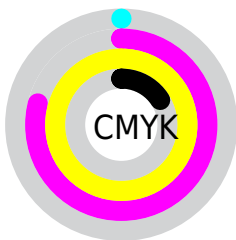
Blue (0%)



Red (84%)

Yellow (22%)

Blue (0%)

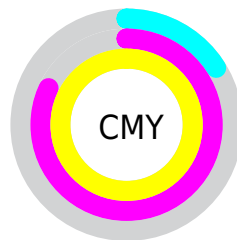


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3238, 0.6174, 0.3480 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 16.3238, 0.6174, 0.3480 by changing the saturation by 10% instead.


 16.3238, 0.6174,
0.3480


 16.3238, 0.6174,
0.3480


 231.2449, 0.4541,
0.3633


 9.7536, 0.6561,
0.3334


 37.1594, 0.5598,
0.3623


 5.2359, 0.6947,
0.3053

 52.1936, 0.5372,
0.3649

 2.3863, 0.7391,
0.2609

 70.8179, 0.5179,
0.3660

 0.8188, 0.8039,
0.1961

 93.4167, 0.5013,
0.3662

 0.0000, 1.0000,
0.0000


 120.3744, 0.4870,
0.3658


 0.0000, 0.0000,
0.0000


 152.0754, 0.4745,


0.3652


 188.9041, 0.4637,
0.3643


 16.3238, 0.6174,
0.3480


 16.3238, 0.6174,
0.3480


 16.3249, 0.6174,
0.3480

 17.9500, 0.5923,
0.3557

 20.2155, 0.5580,
0.3609

 23.1909, 0.5180,
0.3624

 26.9313, 0.4769,
0.3607

 31.4860, 0.4383,
0.3568

■ 36.9003, 0.4041,
0.3515

■ 43.2157, 0.3748,
0.3457

■ 50.4714, 0.3501,
0.3399

■ 58.7038, 0.3297,
0.3343

Harmonies

Analogous

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



16.3238, 0.5742, 0.2686



16.3238, 0.6174, 0.3480



16.3238, 0.5520, 0.4480

Triad

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



16.3238, 0.6174, 0.3480



16.3238, 0.1743, 0.5486



16.3238, 0.1426, 0.1209

Complementary

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



16.3238, 0.6174, 0.3480



33.6399, 0.2054, 0.2595

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.



16.3238, 0.0929, 0.1298



16.3238, 0.6174, 0.3480



16.3238, 0.0996, 0.3192

Square

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



16.3238, 0.6174, 0.3480



16.3238, 0.2944, 0.6523



16.3238, 0.0787, 0.1823



16.3238, 0.2463, 0.1428

Rectangle

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



16.3238, 0.6174, 0.3480



16.3238, 0.4723, 0.5277



16.3238, 0.0787, 0.1823



16.3238, 0.1212, 0.1202

Sweetspot

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



16.3249, 0.6174, 0.3480



63.3116, 0.3755, 0.3459



17.4240, 0.3797, 0.1865



12.6725, 0.3875, 0.3484



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.



16.3249, 0.6174, 0.3480



23.8440, 0.6188, 0.3469



36.4163, 0.4852, 0.4530



12.8381, 0.3286, 0.3340



9.8899, 0.6150, 0.3499



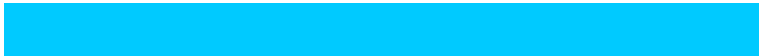
0.7183, 0.5815, 0.3765

Inverse Universe

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



33.6399, 0.2054, 0.2595



49.2678, 0.2052, 0.2588



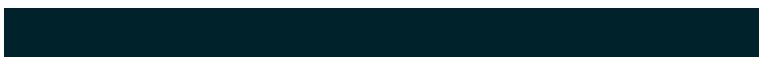
8.6290, 0.1606, 0.0981



13.6456, 0.2982, 0.3240



20.2803, 0.2057, 0.2606



1.3365, 0.2094, 0.2738

Previews

White Background



This preview shows how the Yxy color 16.3238, 0.6174, 0.3480 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 16.3238, 0.6174, 0.3480 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 16.3238, 0.6174, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 16.3238, 0.6174, 0.3480.



This preview shows how white text looks on a background with the Yxy color 16.3238, 0.6174, 0.3480.

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

16.3238, 0.6174, 0.3480

Protanopia

16.6212, 0.4276, 0.4752

Deuteranopia

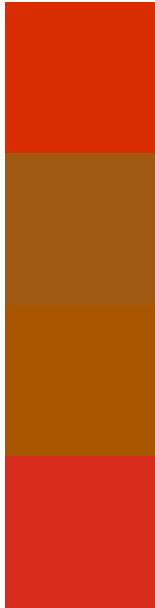
16.5648, 0.4692, 0.4657



Tritanopia

16.2702, 0.5934, 0.3298

Trichromacy



Original Color

16.3238, 0.6174, 0.3480

Protanomaly

14.5562, 0.5146, 0.4168

Deuteranomaly

14.9320, 0.5389, 0.4103

Tritanomaly

16.2540, 0.6062, 0.3388

Monochromacy



Original Color

16.3238, 0.6174, 0.3480

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.4373, 0.4591, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3238, 0.6174, 0.3480 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(215, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 45, 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(215, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 45, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3238, 0.6174, 0.3480 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(215, 45, 0) }
```

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

```
.border{ border-color:rgb(215, 45, 0) }
```

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

Here you see how a box with a 4 pixel rgb(215, 45, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 45, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3238, 0.6174, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 45, 0) }
```

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

```
.background{ background-color: rgb(215, 45,  
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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