

Converting Colors

$Y_{xy}(17.1349, 0.6167, 0.3485)$

Have a look what the booklet for
Yxy(17.1349, 0.6167, 0.3485)
contains.

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Color

Yxy(17.0931, 0.6166, 0.3486)

Conversions

Conversions Part 1

Format	Color
Hex	DB2F00
RGB	219, 47, 0
RGB Percent	86%, 18%, 0%
CMY	0.1411, 0.8158, 0.9999
CMYK	0.00, 0.79, 1.00, 0.14
HSL	13°, 100%, 43%
HSV	13°, 100%, 86%
XYZ	30.2341, 17.0931, 1.7064
YIQ	93.0700, 117.5990, 21.8470

Conversions

Conversions Part 2

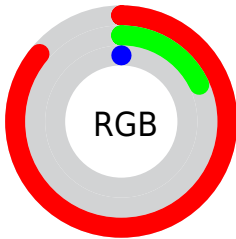
Format	Color
RYB	219, 60, 0
Decimal	14364416
CIELab	48.38, 63.83, 60.95
CIElCh	48, 88.252, 43.677
Yxy	17.0931, 0.6166, 0.3486
Android (android.graphics.Color)	4292554496 (0xFFDB2F00)
YUV	93.0700, -45.8835, 110.4406
Hunter-Lab	41.3438, 58.1827, 26.4936

Details

The Yxy color **17.0931, 0.6166, 0.3486** 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 **34.6438, 0.2049, 0.2576**, and the grayscale version is **11.0508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2805, 0.5427, 0.3701**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.0927, 0.6166, 0.3486**, and if you desaturate by 10%, it is **18.8080, 0.5915, 0.3565**.

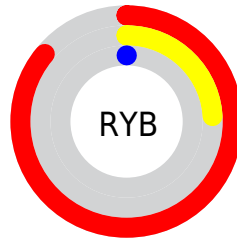
Distribution



Red (86%)

Green (18%)

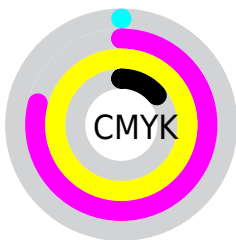
Blue (0%)



Red (86%)

Yellow (24%)

Blue (0%)

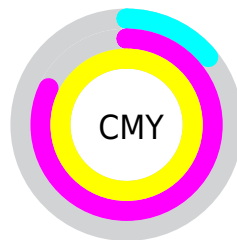


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0931, 0.6166, 0.3486 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 17.0931, 0.6166, 0.3486 by changing the saturation by 10% instead.

 17.0931, 0.6166,
0.3486


 17.0931, 0.6166,
0.3486


 235.7083, 0.4549,
0.3636


 10.3009, 0.6541,
0.3341


 38.4858, 0.5599,
0.3627


 5.5989, 0.6928,
0.3072

 53.8550, 0.5375,
0.3652

 2.6028, 0.7357,
0.2643

 72.8521, 0.5183,
0.3663

 0.9281, 0.7979,
0.2021

 95.8614, 0.5019,
0.3665


 0.0000, 1.0000,
0.0000


 123.2672, 0.4877,
0.3661


 0.0000, 0.0000,
0.0000

 155.4541, 0.4753,


0.3654


 192.8063, 0.4645,
0.3646


 17.0931, 0.6166,
0.3486


 17.0931, 0.6166,
0.3486


 17.0927, 0.6166,
0.3486

 18.8080, 0.5915,
0.3565

 21.1863, 0.5574,
0.3618

 24.3002, 0.5175,
0.3633

 28.2062, 0.4766,
0.3615

 32.9553, 0.4381,
0.3574

■ 38.5938, 0.4040,
0.3521

■ 45.1646, 0.3747,
0.3461

■ 52.7079, 0.3501,
0.3402

■ 61.2613, 0.3297,
0.3344

Harmonies

Analogous

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



17.0931, 0.5739, 0.2692



17.0931, 0.6166, 0.3486



17.0931, 0.5513, 0.4487

Triad

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



17.0931, 0.6166, 0.3486



17.0931, 0.1743, 0.5469



17.0931, 0.1433, 0.1213

Complementary

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



17.0931, 0.6166, 0.3486



34.6438, 0.2049, 0.2576

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.



17.0931, 0.0934, 0.1301



17.0931, 0.6166, 0.3486



17.0931, 0.0999, 0.3186

Square

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



17.0931, 0.6166, 0.3486



17.0931, 0.2942, 0.6514



17.0931, 0.0792, 0.1824



17.0931, 0.2471, 0.1433

Rectangle

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



17.0931, 0.6166, 0.3486



17.0931, 0.4719, 0.5281



17.0931, 0.0792, 0.1824



17.0931, 0.1218, 0.1206

Sweetspot

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



17.0942, 0.6166, 0.3486



63.4812, 0.3754, 0.3463



18.1670, 0.3798, 0.1866



12.7116, 0.3873, 0.3489



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.



17.0942, 0.6166, 0.3486



23.9618, 0.6179, 0.3476



37.9498, 0.4853, 0.4529



13.5018, 0.3286, 0.3341



10.2643, 0.6143, 0.3505



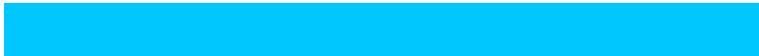
0.7922, 0.5827, 0.3756

Inverse Universe

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



34.6438, 0.2049, 0.2576



48.6785, 0.2047, 0.2570



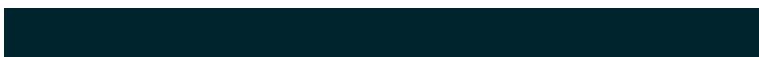
8.9794, 0.1606, 0.0979



14.3309, 0.2982, 0.3239



20.7030, 0.2052, 0.2588



1.4617, 0.2088, 0.2716

Previews

White Background



This preview shows how the Yxy color 17.0931, 0.6166, 0.3486 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 17.0931, 0.6166, 0.3486 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 17.0931, 0.6166, 0.3486

Background



This preview shows how black text looks on a background with the Yxy color 17.0931, 0.6166, 0.3486.



This preview shows how white text looks on a background with the Yxy color 17.0931, 0.6166, 0.3486.

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

17.0931, 0.6166, 0.3486

Protanopia

17.3112, 0.4291, 0.4750

Deuteranopia

17.2629, 0.4697, 0.4652



Tritanopia

17.0433, 0.5916, 0.3298

Trichromacy



Original Color

17.0931, 0.6166, 0.3486

Protanomaly

15.2040, 0.5146, 0.4174

Deuteranomaly

15.7006, 0.5392, 0.4101

Tritanomaly

17.0207, 0.6052, 0.3393

Monochromacy



Original Color

17.0931, 0.6166, 0.3486

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.9736, 0.4595, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0931, 0.6166, 0.3486 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(219, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 47, 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(219, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 47, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.0931, 0.6166, 0.3486 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(219, 47, 0) }
```

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

```
.border{ border-color:rgb(219, 47, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 47, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0931, 0.6166, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 47, 0) }
```

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

```
.background{ background-color: rgb(219, 47,  
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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