

Converting Colors

$Yxy(16.9654, 0.6375, 0.3358)$

Have a look what the booklet for
Yxy(16.9654, 0.6375, 0.3358)
contains.

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Color

Yxy(16.9597, 0.6349, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	E41300
RGB	228, 19, 0
RGB Percent	89%, 7%, 0%
CMY	0.1059, 0.9255, 1.0000
CMYK	0.00, 0.92, 1.00, 0.11
HSL	5°, 100%, 45%
HSV	5°, 100%, 89%
XYZ	32.2290, 16.9597, 1.5736
YIQ	79.3250, 130.6630, 38.3990

Conversions

Conversions Part 2

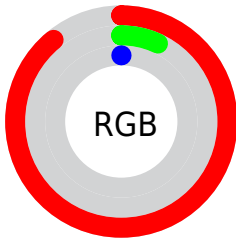
Format	Color
RYB	228, 21, 0
Decimal	14947072
CIELab	48.21, 71.90, 61.99
CIElCh	48, 94.932, 40.767
Yxy	16.9597, 0.6349, 0.3341
Android (android.graphics.Color)	4293137152 (0xFFE41300)
YUV	79.3250, -39.1072, 130.3880
Hunter-Lab	41.1822, 67.6247, 26.5619

Details

The Yxy color **16.9597, 0.6349, 0.3341** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **51.2010, 0.2173, 0.3023**, and the grayscale version is **7.9437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7299, 0.5559, 0.3589**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.9609, 0.6349, 0.3341**, and if you desaturate by 10%, it is **18.0673, 0.6148, 0.3375**.

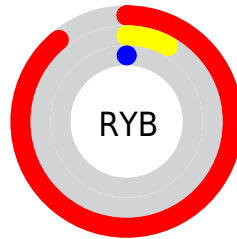
Distribution



Red (89%)

Green (7%)

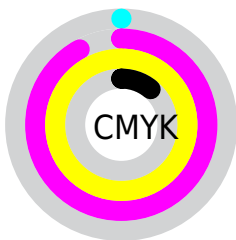
Blue (0%)



Red (89%)

Yellow (8%)

Blue (0%)

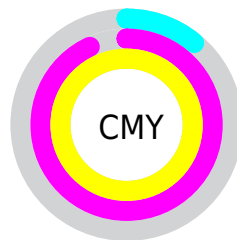


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9597, 0.6349, 0.3341 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 16.9597, 0.6349, 0.3341 by changing the saturation by 10% instead.


 16.9597, 0.6349,
0.3341


 16.9597, 0.6349,
0.3341


 234.9400, 0.4645,
0.3591


 10.2058, 0.6743,
0.3172


 38.2565, 0.5757,
0.3522


 5.5356, 0.7129,
0.2871

 53.5681, 0.5521,
0.3562


 2.5648, 0.7578,
0.2422

 72.5011, 0.5319,
0.3584

 0.9090, 0.8208,
0.1792

 95.4398, 0.5145,
0.3596


 0.0000, 1.0000,
0.0000


 122.7687, 0.4994,
0.3600


 0.0000, 0.0000,
0.0000


 154.8721, 0.4862,

0.3600

 192.1344, 0.4747,
0.3596


 16.9597, 0.6349,
0.3341

 16.9597, 0.6349,
0.3341


 16.9609, 0.6349,
0.3341

 18.0673, 0.6148,
0.3375

 20.0060, 0.5811,
0.3405

 22.9077, 0.5379,
0.3419

 26.8762, 0.4920,
0.3416

 32.0018, 0.4485,
0.3402

■ 38.3653, 0.4102,
0.3382

■ 46.0400, 0.3780,
0.3358

■ 55.0936, 0.3515,
0.3334

■ 65.5894, 0.3301,
0.3311

Harmonies

Analogous

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



16.9597, 0.5800, 0.2553



16.9597, 0.6349, 0.3341



16.9597, 0.5672, 0.4328

Triad

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



16.9597, 0.6349, 0.3341



16.9597, 0.1732, 0.5896



16.9597, 0.1279, 0.1117

Complementary

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



16.9597, 0.6349, 0.3341



51.2010, 0.2173, 0.3023

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.



16.9597, 0.0817, 0.1232



16.9597, 0.6349, 0.3341



16.9597, 0.0930, 0.3359

Square

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



16.9597, 0.6349, 0.3341



16.9597, 0.2980, 0.6709



16.9597, 0.0699, 0.1812



16.9597, 0.2284, 0.1311

Rectangle

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



16.9597, 0.6349, 0.3341



16.9597, 0.4839, 0.5161



16.9597, 0.0699, 0.1812



16.9597, 0.1078, 0.1118

Sweetspot

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



16.9609, 0.6349, 0.3341



59.1413, 0.3785, 0.3359



21.0985, 0.3434, 0.1665



11.7180, 0.3915, 0.3369



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.



16.9609, 0.6349, 0.3341



21.8059, 0.6353, 0.3337



33.2707, 0.5181, 0.4268



14.5600, 0.3290, 0.3310



9.8625, 0.6336, 0.3351



0.7961, 0.6172, 0.3481

Inverse Universe

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



51.2010, 0.2173, 0.3023



65.9181, 0.2173, 0.3022



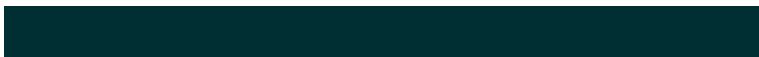
13.7865, 0.1691, 0.1289



16.1200, 0.2982, 0.3270



29.6491, 0.2174, 0.3028



2.2520, 0.2186, 0.3069

Previews

White Background



This preview shows how the Yxy color 16.9597, 0.6349, 0.3341 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



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 16.9597, 0.6349, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 16.9597, 0.6349, 0.3341.



This preview shows how white text looks on a background with the Yxy color 16.9597, 0.6349, 0.3341.

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

16.9597, 0.6349, 0.3341

Protanopia

17.3253, 0.4273, 0.4724

Deuteranopia

17.2629, 0.4697, 0.4652



Tritanopia

16.9943, 0.6345, 0.3344

Trichromacy



Original Color

16.9597, 0.6349, 0.3341

Protanomaly

14.0355, 0.5349, 0.3998

Deuteranomaly

14.5379, 0.5584, 0.3948

Tritanomaly

16.9943, 0.6345, 0.3344

Monochromacy



Original Color

16.9597, 0.6349, 0.3341

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.1431, 0.4915, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9597, 0.6349, 0.3341 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(228, 19, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 19, 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(228, 19, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 19, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.9597, 0.6349, 0.3341 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(228, 19, 0) }
```

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

```
.border{ border-color:rgb(228, 19, 0) }
```

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

Here you see how a box with a 4 pixel rgb(228, 19, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 19, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 19, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 19, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.9597, 0.6349, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 19, 0) }
```

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

```
.background{ background-color: rgb(228, 19,  
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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