

Converting Colors

$Yxy(16.3225, 0.6353, 0.3338)$

Have a look what the booklet for
Yxy(16.3225, 0.6353, 0.3338)
contains.

| | |
|---|----|
| Yxy(16.2482, 0.6354, 0.3337) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(16.2482, 0.6354, 0.3337)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E01100 |
| RGB | 224, 17, 0 |
| RGB Percent | 88%, 7%, 0% |
| CMY | 0.1216, 0.9330, 1.0000 |
| CMYK | 0.00, 0.92, 1.00, 0.12 |
| HSL | 5°, 100%, 44% |
| HSV | 5°, 100%, 88% |
| XYZ | 30.9383, 16.2482, 1.5046 |
| YIQ | 76.9550, 128.8290, 38.5970 |

Conversions

Conversions Part 2

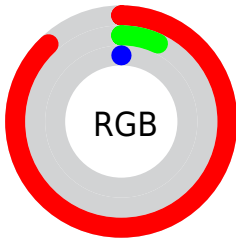
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 224, 18, 0 |
| Decimal | 14684416 |
| CIE _{Lab} | 47.30, 71.11, 61.14 |
| CIE _{LCh} | 47, 93.779, 40.691 |
| Yxy | 16.2482, 0.6354, 0.3337 |
| Android (android.graphics.Color) | 4292874496 (0xFFE01100) |
| YUV | 76.9550, -37.9388, 128.9585 |
| Hunter-Lab | 40.3091, 66.4627, 26.0033 |

Details

The Yxy color **16.2482, 0.6354, 0.3337** 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 **49.9548, 0.2180, 0.3047**, and the grayscale version is **7.4769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5509, 0.5568, 0.3581**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2493, 0.6354, 0.3337**, and if you desaturate by 10%, it is **17.2774, 0.6154, 0.3368**.

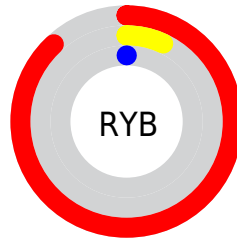
Distribution



Red (88%)

Green (7%)

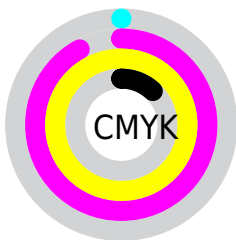
Blue (0%)



Red (88%)

Yellow (7%)

Blue (0%)

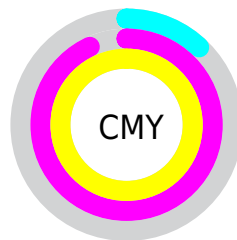


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2482, 0.6354, 0.3337 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 16.2482, 0.6354, 0.3337 by changing the saturation by 10% instead.


 16.2482, 0.6354,
0.3337


 16.2482, 0.6354,
0.3337


 230.8019, 0.4636,
0.3589


 9.7000, 0.6760,
0.3167


 37.0286, 0.5754,
0.3520


 5.2005, 0.7146,
0.2854

 52.0295, 0.5516,
0.3561


 2.3654, 0.7607,
0.2393

 70.6167, 0.5312,
0.3583

 0.8080, 0.8261,
0.1739

 93.1747, 0.5137,
0.3594


 0.0000, 1.0000,
0.0000


 120.0878, 0.4985,
0.3598


 0.0000, 0.0000,
0.0000


 151.7404, 0.4853,

0.3598


 188.5170, 0.4738,
0.3595

 16.2482, 0.6354,
0.3337


 16.2482, 0.6354,
0.3337


 16.2493, 0.6354,
0.3337

 17.2774, 0.6154,
0.3368

 19.1075, 0.5818,
0.3395

 21.8687, 0.5386,
0.3408

 25.6629, 0.4925,
0.3406

 30.5789, 0.4488,
0.3393

■ 36.6957, 0.4104,
0.3374

■ 44.0854, 0.3781,
0.3353

■ 52.8141, 0.3516,
0.3331

■ 62.9436, 0.3301,
0.3310

Harmonies

Analogous

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



16.2482, 0.5801, 0.2550



16.2482, 0.6354, 0.3337



16.2482, 0.5676, 0.4324

Triad

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



16.2482, 0.6354, 0.3337



16.2482, 0.1732, 0.5908



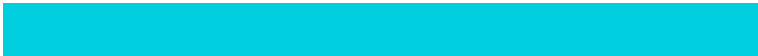
16.2482, 0.1275, 0.1114

Complementary

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



16.2482, 0.6354, 0.3337



49.9548, 0.2180, 0.3047

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.



16.2482, 0.0814, 0.1230



16.2482, 0.6354, 0.3337



16.2482, 0.0929, 0.3364

Square

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



16.2482, 0.6354, 0.3337



16.2482, 0.2982, 0.6716



16.2482, 0.0696, 0.1812



16.2482, 0.2279, 0.1307

Rectangle

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



16.2482, 0.6354, 0.3337



16.2482, 0.4842, 0.5158



16.2482, 0.0696, 0.1812



16.2482, 0.1074, 0.1116

Sweetspot

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



16.2493, 0.6354, 0.3337



58.9164, 0.3787, 0.3353



20.4517, 0.3386, 0.1639



11.6669, 0.3917, 0.3363



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.



16.2493, 0.6354, 0.3337



21.7416, 0.6359, 0.3333



31.0053, 0.5228, 0.4231



13.8677, 0.3290, 0.3309



9.5232, 0.6341, 0.3347



0.7197, 0.6181, 0.3474

Inverse Universe

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



49.9548, 0.2180, 0.3047



66.9447, 0.2179, 0.3045



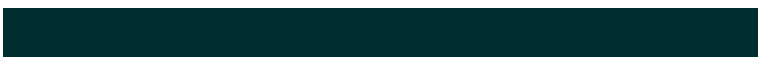
13.9420, 0.1706, 0.1341



15.3839, 0.2982, 0.3271



29.1571, 0.2181, 0.3051



2.0750, 0.2192, 0.3090

Previews

White Background



This preview shows how the Yxy color 16.2482, 0.6354, 0.3337 looks on a white background.

Color Contrast Check

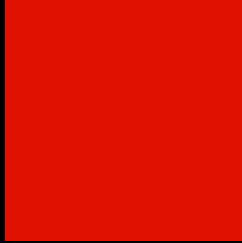
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2482, 0.6354, 0.3337 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 16.2482, 0.6354, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 16.2482, 0.6354, 0.3337.



This preview shows how white text looks on a background with the Yxy color 16.2482, 0.6354, 0.3337.

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

16.2482, 0.6354, 0.3337

Protanopia

16.7125, 0.4272, 0.4715

Deuteranopia

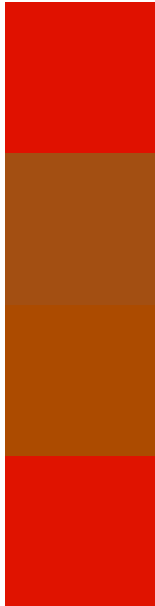
16.5648, 0.4692, 0.4657



Tritanopia

16.3476, 0.6343, 0.3346

Trichromacy



Original Color

16.2482, 0.6354, 0.3337

Protanomaly

13.4222, 0.5353, 0.3989

Deuteranomaly

13.8028, 0.5585, 0.3947

Tritanomaly

16.3130, 0.6347, 0.3343

Monochromacy



Original Color

16.2482, 0.6354, 0.3337

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.7000, 0.4916, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2482, 0.6354, 0.3337 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(224, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 17, 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(224, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 17, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2482, 0.6354, 0.3337 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(224, 17, 0) }
```

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

```
.border{ border-color:rgb(224, 17, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 17, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 17, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2482, 0.6354, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 17, 0) }
```

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

```
.background{ background-color: rgb(224, 17,  
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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