

Converting Colors

$Yxy(16.4182, 0.6248, 0.3216)$

Have a look what the booklet for
Yxy(16.4182, 0.6248, 0.3216)
contains.

Yxy(16.4246, 0.6251, 0.3217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.4246, 0.6251, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	E3001E
RGB	227, 0, 30
RGB Percent	89%, 0%, 12%
CMY	0.1098, 1.0000, 0.8824
CMYK	0.00, 1.00, 0.87, 0.11
HSL	352°, 100%, 45%
HSV	352°, 100%, 89%
XYZ	31.9149, 16.4246, 2.7162
YIQ	71.2930, 125.6620, 57.4540

Conversions

Conversions Part 2

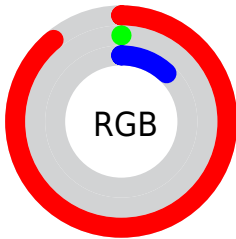
Format	Color
RYB	227, 0, 30
Decimal	14876702
CIELab	47.53, 73.70, 51.09
CIElCh	48, 89.681, 34.729
Yxy	16.4246, 0.6251, 0.3217
Android (android.graphics.Color)	4293066782 (0xFFE3001E)
YUV	71.2930, -20.3574, 136.5550
Hunter-Lab	40.5273, 69.6445, 24.3954

Details

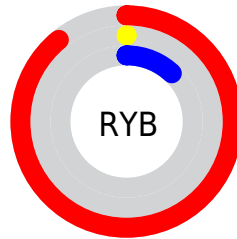
The Yxy color **16.4246, 0.6251, 0.3217** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **58.9743, 0.2365, 0.3715**, and the grayscale version is **6.3727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2780, 0.5397, 0.3411**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4259, 0.6251, 0.3217**, and if you desaturate by 10%, it is **17.1608, 0.5996, 0.3161**.

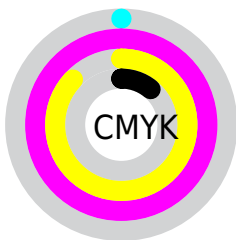
Distribution



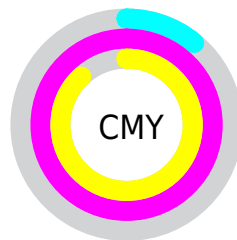
- Red (89%)
- Green (0%)
- Blue (12%)



- Red (89%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4246, 0.6251, 0.3217 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 16.4246, 0.6251, 0.3217 by changing the saturation by 10% instead.


 16.4246, 0.6251,
0.3217

 16.4246, 0.6251,
0.3217


231.8343, 0.4535,
0.3476


 9.8251, 0.6656,
0.3049


 37.3338, 0.5625,
0.3385


 5.2832, 0.7198,
0.2802

 52.4122, 0.5387,
0.3425

 2.4143, 0.7660,
0.2340

 71.0858, 0.5185,
0.3449

 0.8333, 0.8305,
0.1695

 93.7389, 0.5015,
0.3463

 0.0000, 1.0000,
0.0000


 120.7559, 0.4868,
0.3472

 0.0000, 0.0000,
0.0000


 152.5212, 0.4742,


0.3476

 189.4192, 0.4632,
0.3477

 16.4246, 0.6251,
0.3217

 16.4246, 0.6251,
0.3217

 16.4259, 0.6251,
0.3217

 17.1608, 0.5996,
0.3161

 18.6744, 0.5628,
0.3117

 21.2018, 0.5195,
0.3097

 24.8806, 0.4755,
0.3101

 29.8270, 0.4350,
0.3121

■ 36.1428, 0.4000,
0.3152

■ 43.9196, 0.3709,
0.3187

■ 53.2409, 0.3472,
0.3223

■ 64.1841, 0.3281,
0.3257

Harmonies

Analogous

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



16.4246, 0.5409, 0.2438



16.4246, 0.6251, 0.3217



16.4246, 0.5838, 0.4148

Triad

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



16.4246, 0.6251, 0.3217



16.4246, 0.2032, 0.6131



16.4246, 0.1204, 0.1170

Complementary

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



16.4246, 0.6251, 0.3217



58.9743, 0.2365, 0.3715

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.



16.4246, 0.0824, 0.1361



16.4246, 0.6251, 0.3217



16.4246, 0.1111, 0.3824

Square

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



16.4246, 0.6251, 0.3217



16.4246, 0.3307, 0.6466



16.4246, 0.0772, 0.2081



16.4246, 0.2066, 0.1301

Rectangle

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



16.4246, 0.6251, 0.3217



16.4246, 0.5095, 0.4905



16.4246, 0.0772, 0.2081



16.4246, 0.1035, 0.1193

Sweetspot

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



16.4259, 0.6251, 0.3217



56.9573, 0.3714, 0.3186



17.3818, 0.2870, 0.1355



11.2240, 0.3831, 0.3171



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.



16.4259, 0.6251, 0.3217



21.3737, 0.6261, 0.3223



22.5549, 0.5812, 0.3767



14.3988, 0.3272, 0.3259



9.5885, 0.6225, 0.3203



0.7186, 0.5894, 0.3020

Inverse Universe

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



16.4259, 0.6251, 0.3217



21.3737, 0.6261, 0.3223



25.4239, 0.1896, 0.2025



14.3988, 0.3272, 0.3259



9.5885, 0.6225, 0.3203



0.7186, 0.5894, 0.3020

Previews

White Background



This preview shows how the Yxy color 16.4246, 0.6251, 0.3217 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 16.4246, 0.6251, 0.3217 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 16.4246, 0.6251, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 16.4246, 0.6251, 0.3217.



This preview shows how white text looks on a background with the Yxy color 16.4246, 0.6251, 0.3217.

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

16.4246, 0.6251, 0.3217

Protanopia

17.0125, 0.4064, 0.4466

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.7051, 0.6340, 0.3348

Trichromacy



Original Color

16.4246, 0.6251, 0.3217



Protanomaly

12.7260, 0.5203, 0.3694



Deuteranomaly

13.3944, 0.5658, 0.3814



Tritanomaly

16.4808, 0.6328, 0.3304

Monochromacy



Original Color

16.4246, 0.6251, 0.3217



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.7515, 0.4843, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4246, 0.6251, 0.3217 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(227, 0, 30)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 30)  
}
```

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(227, 0, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 30) }
```

Border

The CSS property to change the border of an element to Yxy 16.4246, 0.6251, 0.3217 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(227, 0, 30) }
```

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

```
.border{ border-color:rgb(227, 0, 30) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.4246, 0.6251, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 30) }
```

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

```
.background{ background-color: rgb(227, 0,  
30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor