

Converting Colors

Yxy(16.5648, 0.6237, 0.3300)

Have a look what the booklet for
Yxy(16.5648, 0.6237, 0.3300)
contains.

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Color

Yxy(16.5180, 0.6237, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	E01716
RGB	224, 23, 22
RGB Percent	88%, 9%, 9%
CMY	0.1216, 0.9096, 0.9140
CMYK	0.00, 0.90, 0.90, 0.12
HSL	0°, 82%, 48%
HSV	0°, 90%, 88%
XYZ	31.1907, 16.5180, 2.3004
YIQ	82.9850, 120.1170, 42.3010

Conversions

Conversions Part 2

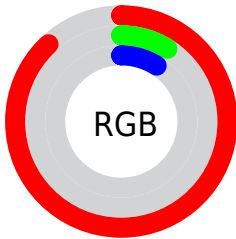
Format	Color
R_{YB}	224, 23, 22
Decimal	14685974
CIE _{Lab}	47.65, 70.54, 54.45
CIE _{LCh}	48, 89.107, 37.663
Yxy	16.5180, 0.6237, 0.3303
Android (android.graphics.Color)	4292876054 (0xFFE01716)
YUV	82.9850, -30.0656, 123.6702
Hunter-Lab	40.6423, 65.8644, 25.0937

Details

The Yxy color **16.5180, 0.6237, 0.3303** 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 **58.2700, 0.2254, 0.3272**, and the grayscale version is **8.6948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0679, 0.5427, 0.3507**, and **7.3709, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.8733, 0.6398, 0.3302**, and if you desaturate by 10%, it is **17.9326, 0.5925, 0.3305**.

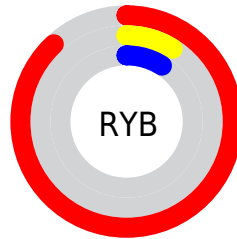
Distribution



Red (88%)

Green (9%)

Blue (9%)



Red (88%)

Yellow (9%)

Blue (9%)

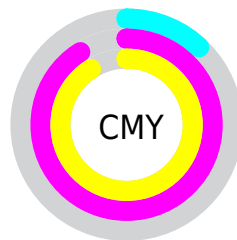


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (12%)



Cyan (12%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5180, 0.6237, 0.3303 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 16.5180, 0.6237, 0.3303 by changing the saturation by 10% instead.


 16.5180, 0.6237,
0.3303


 16.5180, 0.6237,
0.3303


232.3792, 0.4544,
0.3529


 9.8914, 0.6630,
0.3138


 37.4952, 0.5627,
0.3464


 5.3270, 0.7119,
0.2881

 52.6146, 0.5392,
0.3499


 2.4404, 0.7574,
0.2426

 71.3337, 0.5193,
0.3519

 0.8466, 0.8217,
0.1783

 94.0370, 0.5023,
0.3530


 0.0000, 1.0000,
0.0000


 121.1088, 0.4877,
0.3534


 0.0000, 0.0000,
0.0000

 152.9335, 0.4751,


0.3535


 189.8955, 0.4641,
0.3533

 16.5180, 0.6237,
0.3303


 16.5180, 0.6237,
0.3303


 15.8733, 0.6398,
0.3302

 17.9326, 0.5925,
0.3305

 20.3349, 0.5491,
0.3305

 23.8620, 0.5011,
0.3303

 28.6288, 0.4549,
0.3301

 34.7361, 0.4143,
0.3299

■ 42.2741, 0.3803,
0.3296

■ 51.3256, 0.3528,
0.3294

■ 61.9667, 0.3307,
0.3292

■ 74.2685, 0.3130,
0.3290

Harmonies

Analogous

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



16.5180, 0.5534, 0.2520



16.5180, 0.6237, 0.3303



16.5180, 0.5740, 0.4260

Triad

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



16.5180, 0.6237, 0.3303



16.5180, 0.1931, 0.5934



16.5180, 0.1273, 0.1179

Complementary

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



16.5180, 0.6237, 0.3303



58.2700, 0.2254, 0.3272

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.



16.5180, 0.0855, 0.1336



16.5180, 0.6237, 0.3303



16.5180, 0.1067, 0.3599

Square

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



16.5180, 0.6237, 0.3303



16.5180, 0.3181, 0.6499



16.5180, 0.0774, 0.1986



16.5180, 0.2192, 0.1340

Rectangle

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



16.5180, 0.6237, 0.3303



16.5180, 0.4972, 0.5028



16.5180, 0.0774, 0.1986



16.5180, 0.1089, 0.1193

Sweetspot

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



16.5191, 0.6237, 0.3303



60.1514, 0.3714, 0.3296



21.8000, 0.3208, 0.1572



12.0376, 0.3817, 0.3297



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.



16.5191, 0.6237, 0.3303



21.2902, 0.6398, 0.3302



30.0627, 0.5230, 0.4142



13.7124, 0.3292, 0.3292



9.2451, 0.6397, 0.3303



0.6451, 0.6384, 0.3313

Inverse Universe

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



58.2700, 0.2254, 0.3272



77.8548, 0.2242, 0.3271



19.7098, 0.1833, 0.1732



15.5588, 0.2982, 0.3288



33.7884, 0.2242, 0.3271



2.3462, 0.2243, 0.3274

Previews

White Background



This preview shows how the Yxy color 16.5180, 0.6237, 0.3303 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 16.5180, 0.6237, 0.3303 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 16.5180, 0.6237, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 16.5180, 0.6237, 0.3303.



This preview shows how white text looks on a background with the Yxy color 16.5180, 0.6237, 0.3303.

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

16.5180, 0.6237, 0.3303

Protanopia

16.7839, 0.4182, 0.4582

Deuteranopia

16.6544, 0.4705, 0.4646



Tritanopia

16.5380, 0.6265, 0.3325

Trichromacy



Original Color

16.5180, 0.6237, 0.3303

Protanomaly

13.7869, 0.5190, 0.3902

Deuteranomaly

14.2095, 0.5527, 0.3940

Tritanomaly

16.5442, 0.6255, 0.3319

Monochromacy



Original Color

16.5180, 0.6237, 0.3303

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.7427, 0.4651, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5180, 0.6237, 0.3303 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, 23, 22)` looks like.

```
.text, #text, p{  
  color:rgb(224, 23, 22)  
}
```

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, 23, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 23, 22) }
```

Border

The CSS property to change the border of an element to Yxy 16.5180, 0.6237, 0.3303 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, 23, 22) }
```

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

```
.border{ border-color:rgb(224, 23, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 23, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 23, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 23, 22);  
box-shadow:4px 4px 4px 4px rgb(224, 23,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5180, 0.6237, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 23, 22) }
```

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

```
.background{ background-color: rgb(224, 23,  
22) }
```

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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