

Converting Colors

$Y_{xy}(16.6760, 0.6204, 0.3254)$

Have a look what the booklet for
Yxy(16.6760, 0.6204, 0.3254)
contains.

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Color

Yxy(16.6951, 0.6204, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	E2121E
RGB	226, 18, 30
RGB Percent	89%, 7%, 12%
CMY	0.1136, 0.9298, 0.8823
CMYK	0.00, 0.92, 0.87, 0.11
HSL	357°, 85%, 48%
HSV	357°, 92%, 89%
XYZ	31.8207, 16.6951, 2.7748
YIQ	81.5600, 120.1160, 47.8280

Conversions

Conversions Part 2

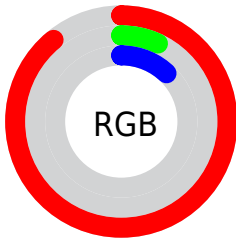
Format	Color
R_{YB}	226, 18, 30
Decimal	14815774
CIE Lab	47.87, 71.87, 51.27
CIE LCh	48, 88.282, 35.504
Yxy	16.6951, 0.6204, 0.3255
Android (android.graphics.Color)	4293005854 (0xFFE2121E)
YUV	81.5600, -25.4191, 126.6739
Hunter-Lab	40.8596, 67.5080, 24.5753

Details

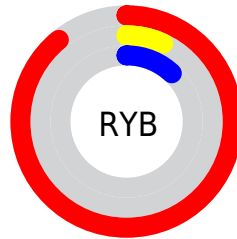
The Yxy color **16.6951, 0.6204, 0.3255** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **59.3843, 0.2302, 0.3455**, and the grayscale version is **8.3693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9802, 0.5365, 0.3446**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2021, 0.6352, 0.3273**, and if you desaturate by 10%, it is **17.9667, 0.5888, 0.3230**.

Distribution



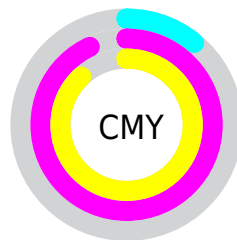
- Red (89%)
- Green (7%)
- Blue (12%)



- Red (89%)
- Yellow (7%)
- Blue (12%)



- Cyan (0%)
- Magenta (92%)
- Yellow (87%)
- Black (11%)





- Cyan (11%)
- Magenta (93%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6951, 0.6204, 0.3255 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 16.6951, 0.6204, 0.3255 by changing the saturation by 10% instead.


 16.6951, 0.6204,
0.3255


 16.6951, 0.6204,
0.3255


233.4092, 0.4516,
0.3489


 10.0173, 0.6603,
0.3094


 37.8008, 0.5588,
0.3413

 5.4105, 0.7141,
0.2859

 52.9975, 0.5353,
0.3449


 2.4900, 0.7595,
0.2405

 71.8027, 0.5156,
0.3471

 0.8716, 0.8232,
0.1768

 94.6007, 0.4988,
0.3483


 0.0000, 1.0000,
0.0000


 121.7760, 0.4844,
0.3489


 0.0000, 0.0000,
0.0000


 153.7129, 0.4719,

0.3491


 190.7958, 0.4611,
0.3491


 16.6951, 0.6204,
0.3255


 16.6951, 0.6204,
0.3255


 16.2021, 0.6352,
0.3273

 17.9667, 0.5888,
0.3230

 20.2159, 0.5461,
0.3215

 23.5890, 0.4995,
0.3211

 28.2067, 0.4547,
0.3217

 34.1745, 0.4152,
0.3228

■ 41.5865, 0.3820,
0.3242

■ 50.5284, 0.3550,
0.3258

■ 61.0794, 0.3333,
0.3273

■ 73.3129, 0.3159,
0.3287

Harmonies

Analogous

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



16.6951, 0.5403, 0.2476



16.6951, 0.6204, 0.3255



16.6951, 0.5780, 0.4182

Triad

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



16.6951, 0.6204, 0.3255



16.6951, 0.2032, 0.6018



16.6951, 0.1244, 0.1195

Complementary

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



16.6951, 0.6204, 0.3255



59.3843, 0.2302, 0.3455

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.



16.6951, 0.0854, 0.1379



16.6951, 0.6204, 0.3255



16.6951, 0.1128, 0.3760

Square

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



16.6951, 0.6204, 0.3255



16.6951, 0.3290, 0.6423



16.6951, 0.0797, 0.2079



16.6951, 0.2115, 0.1333

Rectangle

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



16.6951, 0.6204, 0.3255



16.6951, 0.5059, 0.4941



16.6951, 0.0797, 0.2079



16.6951, 0.1071, 0.1216

Sweetspot

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



16.6962, 0.6204, 0.3255



58.9953, 0.3708, 0.3248



19.9413, 0.3054, 0.1480



11.5973, 0.3834, 0.3242



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.



16.6962, 0.6204, 0.3255



21.2940, 0.6358, 0.3276



26.9606, 0.5448, 0.3986



13.7134, 0.3283, 0.3277



9.2467, 0.6336, 0.3264



0.6456, 0.6153, 0.3163

Inverse Universe

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



16.6962, 0.6204, 0.3255



21.2940, 0.6358, 0.3276



23.1835, 0.1878, 0.1913



13.7134, 0.3283, 0.3277



9.2467, 0.6336, 0.3264



0.6456, 0.6153, 0.3163

Previews

White Background



This preview shows how the Yxy color 16.6951, 0.6204, 0.3255 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 16.6951, 0.6204, 0.3255 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 16.6951, 0.6204, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 16.6951, 0.6204, 0.3255.



This preview shows how white text looks on a background with the Yxy color 16.6951, 0.6204, 0.3255.

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

16.6951, 0.6204, 0.3255

Protanopia

17.0810, 0.4088, 0.4474

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.7248, 0.6308, 0.3330

Trichromacy



Original Color

16.6951, 0.6204, 0.3255

Protanomaly

13.8043, 0.5116, 0.3794

Deuteranomaly

14.1917, 0.5539, 0.3911

Tritanomaly

16.7095, 0.6279, 0.3308

Monochromacy



Original Color

16.6951, 0.6204, 0.3255

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.5551, 0.4629, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6951, 0.6204, 0.3255 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(226, 18, 30)` looks like.

```
.text, #text, p{  
    color:rgb(226, 18, 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(226, 18, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 18, 30) }
```

Border

The CSS property to change the border of an element to Yxy 16.6951, 0.6204, 0.3255 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(226, 18, 30) }
```

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

```
.border{ border-color:rgb(226, 18, 30) }
```

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

Here you see how a box with a 4 pixel rgb(226, 18, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 18, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 18, 30);  
box-shadow:4px 4px 4px 4px rgb(226, 18,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6951, 0.6204, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 18, 30) }
```

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

```
.background{ background-color: rgb(226, 18,  
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](#).

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