

Converting Colors

$Y_{xy}(15.7226, 0.6050, 0.3144)$

Have a look what the booklet for
Yxy(15.7226, 0.6050, 0.3144)
contains.

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Color

Yxy(15.6522, 0.6050, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	DC0B2E
RGB	220, 11, 46
RGB Percent	86%, 4%, 18%
CMY	0.1372, 0.9568, 0.8196
CMYK	0.00, 0.95, 0.79, 0.14
HSL	350°, 90%, 45%
HSV	350°, 95%, 86%
XYZ	30.1291, 15.6522, 4.0189
YIQ	77.4810, 113.3290, 55.1930

Conversions

Conversions Part 2

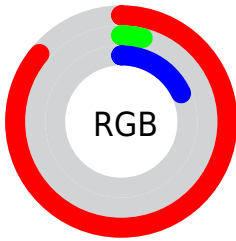
Format	Color
RYB	220, 11, 46
Decimal	14420782
CIELab	46.51, 71.46, 41.19
CIELCh	47, 82.483, 29.962
Yxy	15.6522, 0.6050, 0.3143
Android (android.graphics.Color)	4292610862 (0xFFDC0B2E)
YUV	77.4810, -15.5201, 124.9892
Hunter-Lab	39.5629, 66.7018, 21.6712

Details

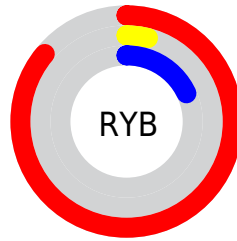
The Yxy color **15.6522, 0.6050, 0.3143** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **54.7627, 0.2397, 0.3805**, and the grayscale version is **7.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6870, 0.5218, 0.3296**, and **6.9708, 0.6392, 0.3295** is the 20% darker color. If you saturate the color by 10%, you get **15.3488, 0.6177, 0.3176**, and if you desaturate by 10%, it is **16.6786, 0.5723, 0.3080**.

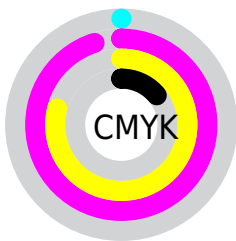
Distribution



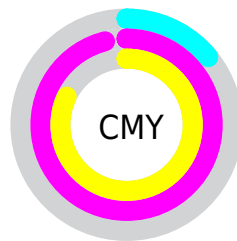
- Red (86%)
- Green (4%)
- Blue (18%)



- Red (86%)
- Yellow (4%)
- Blue (18%)



- Cyan (0%)
- Magenta (95%)
- Yellow (79%)
- Black (14%)



- Cyan (14%)
- Magenta (96%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6522, 0.6050, 0.3143 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 15.6522, 0.6050, 0.3143 by changing the saturation by 10% instead.


 15.6522, 0.6050,
0.3143

 15.6522, 0.6050,
0.3143


227.2806, 0.4393,
0.3392


 9.2784, 0.6479,
0.2993


 35.9933, 0.5421,
0.3293


 4.9232, 0.7057,
0.2765

 50.7295, 0.5190,
0.3330

 2.2023, 0.7659,
0.2341

 69.0218, 0.4998,
0.3354

 0.7212, 0.8346,
0.1654

 91.2547, 0.4837,
0.3370

 0.0000, 1.0000,
0.0000

 117.8127, 0.4701,
0.3380

 0.0000, 0.0000,
0.0000

 149.0801, 0.4584,

0.3386

185.4412, 0.4482,
0.3390

■ 15.6522, 0.6050,
0.3143

■ 15.6522, 0.6050,
0.3143

■ 15.3488, 0.6177,
0.3176

■ 16.6786, 0.5723,
0.3080

■ 18.5689, 0.5318,
0.3045

■ 21.4648, 0.4889,
0.3040

■ 25.4812, 0.4481,
0.3059

■ 30.7178, 0.4120,
0.3094

■ 37.2629, 0.3816,
0.3136

■ 45.1969, 0.3565,
0.3182

■ 54.5935, 0.3361,
0.3227

■ 65.5212, 0.3197,
0.3270

Harmonies

Analogous

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



15.6522, 0.5032, 0.2376



15.6522, 0.6050, 0.3143



15.6522, 0.5838, 0.4005

Triad

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



15.6522, 0.6050, 0.3143



15.6522, 0.2311, 0.6123



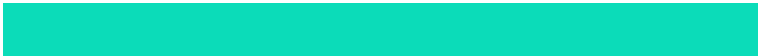
15.6522, 0.1196, 0.1260

Complementary

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



15.6522, 0.6050, 0.3143



54.7627, 0.2397, 0.3805

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.



15.6522, 0.0877, 0.1520



15.6522, 0.6050, 0.3143



15.6522, 0.1321, 0.4158

Square

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



15.6522, 0.6050, 0.3143



15.6522, 0.3574, 0.6185



15.6522, 0.0887, 0.2352



15.6522, 0.1951, 0.1340

Rectangle

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



15.6522, 0.6050, 0.3143



15.6522, 0.5263, 0.4737



15.6522, 0.0887, 0.2352



15.6522, 0.1050, 0.1303

Sweetspot

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



15.6532, 0.6050, 0.3143



59.3404, 0.3640, 0.3167



15.3144, 0.2768, 0.1314



11.6769, 0.3750, 0.3147



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.



15.6532, 0.6050, 0.3143



21.4322, 0.6192, 0.3185



20.5753, 0.5819, 0.3713



13.0869, 0.3265, 0.3251



9.0188, 0.6146, 0.3160



0.5954, 0.5724, 0.2927

Inverse Universe

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



15.6532, 0.6050, 0.3143



21.4322, 0.6192, 0.3185



28.2917, 0.1971, 0.2268



13.0869, 0.3265, 0.3251



9.0188, 0.6146, 0.3160



0.5954, 0.5724, 0.2927

Previews

White Background



This preview shows how the Yxy color 15.6522, 0.6050, 0.3143 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 15.6522, 0.6050, 0.3143 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 15.6522, 0.6050, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 15.6522, 0.6050, 0.3143.



This preview shows how white text looks on a background with the Yxy color 15.6522, 0.6050, 0.3143.

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

15.6522, 0.6050, 0.3143

Protanopia

16.1808, 0.3793, 0.4103

Deuteranopia

15.9824, 0.4539, 0.4474



Tritanopia

15.7785, 0.6291, 0.3325

Trichromacy



Original Color

15.6522, 0.6050, 0.3143

Protanomaly

12.6491, 0.4829, 0.3493

Deuteranomaly

13.0689, 0.5379, 0.3713

Tritanomaly

15.6825, 0.6241, 0.3275

Monochromacy



Original Color

15.6522, 0.6050, 0.3143

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.6067, 0.4534, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6522, 0.6050, 0.3143 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(220, 11, 46)` looks like.

```
.text, #text, p{  
  color:rgb(220, 11, 46)  
}
```

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(220, 11, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 11, 46) }
```

Border

The CSS property to change the border of an element to Yxy 15.6522, 0.6050, 0.3143 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(220, 11, 46) }
```

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

```
.border{ border-color:rgb(220, 11, 46) }
```

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

Here you see how a box with a 4 pixel rgb(220, 11, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 11, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 11, 46);  
box-shadow:4px 4px 4px 4px rgb(220, 11,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6522, 0.6050, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 11, 46) }
```

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

```
.background{ background-color: rgb(220, 11,  
46) }
```

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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