

Converting Colors

$Yxy(16.0680, 0.5480, 0.3103)$

Have a look what the booklet for
Yxy(16.0680, 0.5480, 0.3103)
contains.

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Color

Yxy(16.1114, 0.5475, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	D13046
RGB	209, 48, 70
RGB Percent	82%, 19%, 27%
CMY	0.1804, 0.8116, 0.7254
CMYK	0.00, 0.77, 0.67, 0.18
HSL	352°, 64%, 50%
HSV	352°, 77%, 82%
XYZ	28.4548, 16.1114, 7.4060
YIQ	98.6470, 88.8940, 40.9740

Conversions

Conversions Part 2

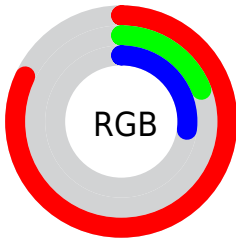
Format	Color
RYB	209, 48, 70
Decimal	13709382
CIELab	47.12, 62.41, 27.19
CIElCh	47, 68.078, 23.538
Yxy	16.1114, 0.5475, 0.3100
Android (android.graphics.Color)	4291899462 (0xFFD13046)
YUV	98.6470, -14.1230, 96.7796
Hunter-Lab	40.1390, 56.2966, 17.1577

Details

The Yxy color **16.1114, 0.5475, 0.3100** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **49.8125, 0.2396, 0.3618**, and the grayscale version is **12.4073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2931, 0.4791, 0.3198**, and **6.2822, 0.6080, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **14.5912, 0.5870, 0.3137**, and if you desaturate by 10%, it is **18.5067, 0.5037, 0.3089**.

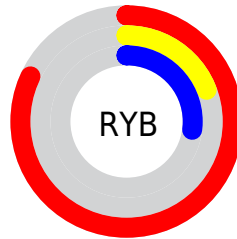
Distribution



Red (82%)

Green (19%)

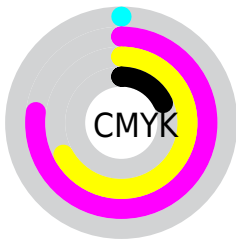
Blue (27%)



Red (82%)

Yellow (19%)

Blue (27%)

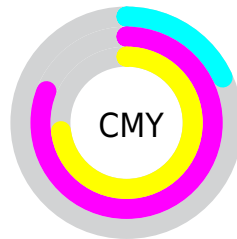


Cyan (0%)

Magenta (77%)

Yellow (67%)

Black (18%)



Cyan (18%)


Magenta (81%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1114, 0.5475, 0.3100 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 16.1114, 0.5475, 0.3100 by changing the saturation by 10% instead.


 16.1114, 0.5475,
0.3100


 16.1114, 0.5475,
0.3100


 229.9982, 0.4110,
0.3298


 9.6030, 0.5869,
0.2996


 36.7915, 0.4935,
0.3207


 5.1365, 0.6394,
0.2822


 51.7320, 0.4745,
0.3236


 2.3276, 0.7250,
0.2570

 70.2520, 0.4590,
0.3256

 0.7883, 0.8042,
0.1958

 92.7359, 0.4461,
0.3270

 0.0000, 1.0000,
0.0000

 119.5680, 0.4352,
0.3280

 0.0000, 0.0000,
0.0000

 151.1329, 0.4260,

0.3288

187.8148, 0.4180,
0.3294

■ 16.1114, 0.5475,
0.3100

■ 16.1114, 0.5475,
0.3100

■ 14.5912, 0.5870,
0.3137

■ 18.5067, 0.5037,
0.3089

■ 13.8039, 0.6166,
0.3194


■ 21.8798, 0.4610,
0.3100

■ 13.6400, 0.6235,
0.3208


■ 26.3220, 0.4225,
0.3125

■ 31.9137, 0.3898,
0.3158

■ 38.7273, 0.3627,
0.3195

 46.8292, 0.3408,
0.3232

 56.2814, 0.3230,
0.3267

 67.1414, 0.3088,
0.3300

 79.4637, 0.2973,
0.3330

Harmonies

Analogous

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



16.1114, 0.4421, 0.2389



16.1114, 0.5475, 0.3100



16.1114, 0.5596, 0.3885

Triad

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



16.1114, 0.5475, 0.3100



16.1114, 0.2761, 0.5700



16.1114, 0.1339, 0.1535

Complementary

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



16.1114, 0.5475, 0.3100



49.8125, 0.2396, 0.3618

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.



16.1114, 0.1110, 0.1892



16.1114, 0.5475, 0.3100



16.1114, 0.1770, 0.4390

Square

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



16.1114, 0.5475, 0.3100



16.1114, 0.3899, 0.5626



16.1114, 0.1221, 0.2808



16.1114, 0.1944, 0.1537

Rectangle

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



16.1114, 0.5475, 0.3100



16.1114, 0.5218, 0.4470



16.1114, 0.1221, 0.2808



16.1114, 0.1225, 0.1607

Sweetspot

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



16.1124, 0.5475, 0.3100



65.2748, 0.3539, 0.3209



17.0143, 0.2920, 0.1527



13.0272, 0.3625, 0.3195



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.



16.1124, 0.5475, 0.3100



22.0264, 0.6063, 0.3170



23.7417, 0.5193, 0.3876



11.8342, 0.3269, 0.3259



8.4196, 0.6209, 0.3194



0.4795, 0.5785, 0.2961

Inverse Universe

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



16.1124, 0.5475, 0.3100



22.0264, 0.6063, 0.3170



27.9011, 0.2067, 0.2397



11.8342, 0.3269, 0.3259



8.4196, 0.6209, 0.3194



0.4795, 0.5785, 0.2961

Previews

White Background



This preview shows how the Yxy color 16.1114, 0.5475, 0.3100 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 16.1114, 0.5475, 0.3100 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 16.1114, 0.5475, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 16.1114, 0.5475, 0.3100.



This preview shows how white text looks on a background with the Yxy color 16.1114, 0.5475, 0.3100.

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

16.1114, 0.5475, 0.3100

Protanopia

16.2661, 0.3426, 0.3634

Deuteranopia

16.2556, 0.4196, 0.4114



Tritanopia

16.0346, 0.5697, 0.3281

Trichromacy



Original Color

16.1114, 0.5475, 0.3100

Protanomaly

14.3960, 0.4185, 0.3344

Deuteranomaly

14.9183, 0.4751, 0.3623

Tritanomaly

16.0069, 0.5622, 0.3220

Monochromacy



Original Color

16.1114, 0.5475, 0.3100

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.9309, 0.4027, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1114, 0.5475, 0.3100 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(209, 48, 70)` looks like.

```
.text, #text, p{  
    color:rgb(209, 48, 70)  
}
```

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(209, 48, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 48, 70) }
```

Border

The CSS property to change the border of an element to Yxy 16.1114, 0.5475, 0.3100 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(209, 48, 70) }
```

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

```
.border{ border-color:rgb(209, 48, 70) }
```

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

Here you see how a box with a 4 pixel rgb(209, 48, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 48, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 48, 70);  
box-shadow:4px 4px 4px 4px rgb(209, 48,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1114, 0.5475, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 48, 70) }
```

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

```
.background{ background-color: rgb(209, 48,  
70) }
```

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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