

Converting Colors

$Y_{xy}(16.2360, 0.6026, 0.3206)$

Have a look what the booklet for
Yxy(16.2360, 0.6026, 0.3206)
contains.

Yxy(16.2928, 0.6026, 0.3204)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2928, 0.6026, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	DD1A2C
RGB	221, 26, 44
RGB Percent	87%, 10%, 17%
CMY	0.1333, 0.8979, 0.8273
CMYK	0.00, 0.88, 0.80, 0.13
HSL	354°, 79%, 48%
HSV	354°, 88%, 87%
XYZ	30.6431, 16.2928, 3.9156
YIQ	86.3570, 110.4420, 46.9380

Conversions

Conversions Part 2

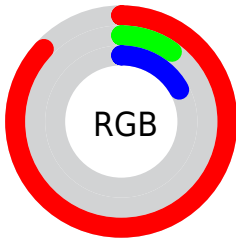
Format	Color
RYB	221, 26, 44
Decimal	14490156
CIELab	47.36, 69.76, 43.22
CIELCh	47, 82.064, 31.780
Yxy	16.2928, 0.6026, 0.3204
Android (android.graphics.Color)	4292680236 (0xFFDD1A2C)
YUV	86.3570, -20.8820, 118.0819
Hunter-Lab	40.3643, 64.8728, 22.5036

Details

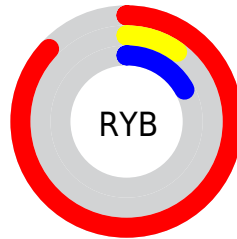
The Yxy color **16.2928, 0.6026, 0.3204** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **56.2434, 0.2335, 0.3544**, and the grayscale version is **9.4172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5647, 0.5194, 0.3349**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.5229, 0.6278, 0.3246**, and if you desaturate by 10%, it is **17.8671, 0.5649, 0.3173**.

Distribution



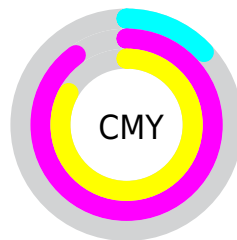
- Red (87%)
- Green (10%)
- Blue (17%)



- Red (87%)
- Yellow (10%)
- Blue (17%)



- Cyan (0%)
- Magenta (88%)
- Yellow (80%)
- Black (13%)





- Cyan (13%)
- Magenta (90%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2928, 0.6026, 0.3204 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 16.2928, 0.6026, 0.3204 by changing the saturation by 10% instead.


 16.2928, 0.6026,
0.3204


 16.2928, 0.6026,
0.3204


231.0633, 0.4396,
0.3423


 9.7316, 0.6442,
0.3061


 37.1058, 0.5412,
0.3344


 5.2214, 0.7004,
0.2845


 52.1263, 0.5184,
0.3377


 2.3777, 0.7569,
0.2431


 70.7354, 0.4995,
0.3397

 0.8144, 0.8221,
0.1779

 93.3175, 0.4836,
0.3410

 0.0000, 1.0000,
0.0000

 120.2569, 0.4701,
0.3417

 0.0000, 0.0000,
0.0000

 151.9381, 0.4585,

0.3421

188.7455, 0.4484,
0.3423

■ 16.2928, 0.6026,
0.3204

■ 16.2928, 0.6026,
0.3204

■ 15.5229, 0.6278,
0.3246

■ 17.8671, 0.5649,
0.3173

■ 15.4239, 0.6311,
0.3250

■ 20.4226, 0.5203,
0.3160

■ 24.0860, 0.4751,
0.3162

■ 28.9642, 0.4337,
0.3177

■ 35.1515, 0.3981,
0.3198

■ 42.7329, 0.3687,
0.3223

■ 51.7862, 0.3448,
0.3248

■ 62.3837, 0.3256,
0.3272

■ 74.5926, 0.3102,
0.3294

Harmonies

Analogous

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



16.2928, 0.5092, 0.2436



16.2928, 0.6026, 0.3204



16.2928, 0.5765, 0.4072

Triad

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



16.2928, 0.6026, 0.3204



16.2928, 0.2262, 0.5990



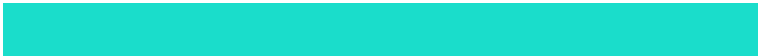
16.2928, 0.1250, 0.1278

Complementary

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



16.2928, 0.6026, 0.3204



56.2434, 0.2335, 0.3544

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.



16.2928, 0.0910, 0.1515



16.2928, 0.6026, 0.3204



16.2928, 0.1306, 0.4012

Square

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



16.2928, 0.6026, 0.3204



16.2928, 0.3504, 0.6181



16.2928, 0.0901, 0.2298



16.2928, 0.2032, 0.1376

Rectangle

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



16.2928, 0.6026, 0.3204



16.2928, 0.5184, 0.4807



16.2928, 0.0901, 0.2298



16.2928, 0.1096, 0.1315

Sweetspot

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



16.2938, 0.6026, 0.3204



61.4584, 0.3635, 0.3228



18.4473, 0.2986, 0.1463



12.2920, 0.3727, 0.3219



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.



16.2938, 0.6026, 0.3204



21.3241, 0.6321, 0.3256



25.3500, 0.5433, 0.3940



13.0710, 0.3277, 0.3269



8.9674, 0.6290, 0.3239



0.5878, 0.6003, 0.3081

Inverse Universe

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



16.2938, 0.6026, 0.3204



21.3241, 0.6321, 0.3256



25.0878, 0.1935, 0.2084



13.0710, 0.3277, 0.3269



8.9674, 0.6290, 0.3239



0.5878, 0.6003, 0.3081

Previews

White Background



This preview shows how the Yxy color 16.2928, 0.6026, 0.3204 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 16.2928, 0.6026, 0.3204 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 16.2928, 0.6026, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 16.2928, 0.6026, 0.3204.



This preview shows how white text looks on a background with the Yxy color 16.2928, 0.6026, 0.3204.

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

16.2928, 0.6026, 0.3204

Protanopia

16.5006, 0.3863, 0.4185

Deuteranopia

16.6486, 0.4571, 0.4503



Tritanopia

16.3753, 0.6171, 0.3316

Trichromacy



Original Color

16.2928, 0.6026, 0.3204

Protanomaly

13.5716, 0.4820, 0.3628

Deuteranomaly

14.2222, 0.5318, 0.3819

Tritanomaly

16.3607, 0.6121, 0.3280

Monochromacy



Original Color

16.2928, 0.6026, 0.3204

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.2726, 0.4424, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2928, 0.6026, 0.3204 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(221, 26, 44)` looks like.

```
.text, #text, p{  
    color:rgb(221, 26, 44)  
}
```

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(221, 26, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 26, 44) }
```

Border

The CSS property to change the border of an element to Yxy 16.2928, 0.6026, 0.3204 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(221, 26, 44) }
```

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

```
.border{ border-color:rgb(221, 26, 44) }
```

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

Here you see how a box with a 4 pixel rgb(221, 26, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 26, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 26, 44);  
box-shadow:4px 4px 4px 4px rgb(221, 26,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2928, 0.6026, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 26, 44) }
```

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

```
.background{ background-color: rgb(221, 26,  
44) }
```

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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