

Converting Colors

$Y_{xy}(14.9072, 0.5577, 0.2983)$

Have a look what the booklet for
Yxy(14.9072, 0.5577, 0.2983)
contains.

Yxy(14.8762, 0.5577, 0.2980)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.8762, 0.5577, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	D11D46
RGB	209, 29, 70
RGB Percent	82%, 11%, 27%
CMY	0.1804, 0.8862, 0.7254
CMYK	0.00, 0.86, 0.66, 0.18
HSL	346°, 76%, 47%
HSV	346°, 86%, 82%
XYZ	27.8405, 14.8762, 7.2035
YIQ	87.4940, 94.1190, 50.9110

Conversions

Conversions Part 2

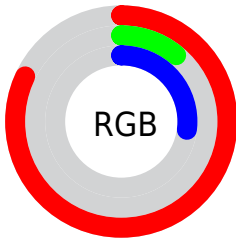
Format	Color
RYB	209, 29, 70
Decimal	13704518
CIELab	45.46, 67.13, 25.08
CIElCh	45, 71.661, 20.489
Yxy	14.8762, 0.5577, 0.2980
Android (android.graphics.Color)	4291894598 (0xFFD11D46)
YUV	87.4940, -8.6245, 106.5608
Hunter-Lab	38.5697, 61.3484, 15.9255

Details

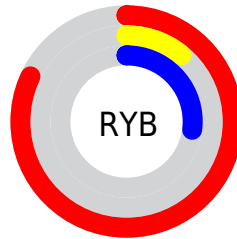
The Yxy color **14.8762, 0.5577, 0.2980** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **48.6891, 0.2452, 0.3930**, and the grayscale version is **9.6484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1174, 0.4855, 0.3097**, and **6.1948, 0.6057, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **13.9968, 0.5906, 0.3056**, and if you desaturate by 10%, it is **16.5033, 0.5189, 0.2941**.

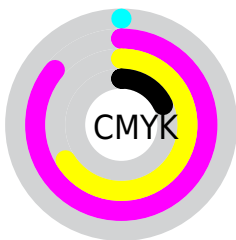
Distribution



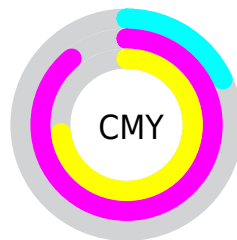
- Red (82%)
- Green (11%)
- Blue (27%)



- Red (82%)
- Yellow (11%)
- Blue (27%)



- Cyan (0%)
- Magenta (86%)
- Yellow (66%)
- Black (18%)





- Cyan (18%)
- Magenta (89%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8762, 0.5577, 0.2980 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 14.8762, 0.5577, 0.2980 by changing the saturation by 10% instead.


 14.8762, 0.5577,
0.2980


 14.8762, 0.5577,
0.2980


222.6157, 0.4140,
0.3248


 8.7325, 0.5998,
0.2855


 34.6359, 0.5005,
0.3115


 4.5671, 0.6559,
0.2651

 49.0206, 0.4804,
0.3154


 1.9956, 0.7506,
0.2364

 66.9213, 0.4641,
0.3182

 0.6049, 0.8365,
0.1635

 88.7221, 0.4506,
0.3202

 0.0000, 1.0000,
0.0000

 114.8076, 0.4392,
0.3218

 0.0000, 0.0000,
0.0000

 145.5621, 0.4296,

0.3230

181.3700, 0.4213,
0.3240

■ 14.8762, 0.5577,
0.2980

■ 14.8762, 0.5577,
0.2980

■ 13.9968, 0.5906,
0.3056

■ 16.5033, 0.5189,
0.2941

■ 13.7659, 0.6015,
0.3087

■ 19.0028, 0.4788,
0.2940

■ 22.4776, 0.4410,
0.2968

■ 27.0156, 0.4075,
0.3016

■ 32.6948, 0.3791,
0.3074

■ 39.5858, 0.3555,
0.3136

■ 47.7535, 0.3363,
0.3197

■ 57.2582, 0.3208,
0.3256

■ 68.1563, 0.3081,
0.3311

Harmonies

Analogous

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



14.8762, 0.4363, 0.2258



14.8762, 0.5577, 0.2980



14.8762, 0.5776, 0.3774

Triad

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



14.8762, 0.5577, 0.2980



14.8762, 0.2816, 0.5980



14.8762, 0.1206, 0.1455

Complementary

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



14.8762, 0.5577, 0.2980



48.6891, 0.2452, 0.3930

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.



14.8762, 0.1003, 0.1860



14.8762, 0.5577, 0.2980



14.8762, 0.1753, 0.4678

Square

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



14.8762, 0.5577, 0.2980



14.8762, 0.4011, 0.5688



14.8762, 0.1145, 0.2894



14.8762, 0.1783, 0.1430

Rectangle

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



14.8762, 0.5577, 0.2980



14.8762, 0.5397, 0.4380



14.8762, 0.1145, 0.2894



14.8762, 0.1101, 0.1540

Sweetspot

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



14.8771, 0.5577, 0.2980



61.8768, 0.3559, 0.3135



13.6983, 0.2705, 0.1329



12.3886, 0.3637, 0.3113



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.



14.8771, 0.5577, 0.2980



21.5667, 0.6041, 0.3101



18.9527, 0.5674, 0.3687



11.8518, 0.3255, 0.3237



8.5001, 0.5981, 0.3069



0.4877, 0.5453, 0.2778

Inverse Universe

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



14.8771, 0.5577, 0.2980



21.5667, 0.6041, 0.3101



30.3554, 0.2064, 0.2530



11.8518, 0.3255, 0.3237



8.5001, 0.5981, 0.3069



0.4877, 0.5453, 0.2778

Previews

White Background



This preview shows how the Yxy color 14.8762, 0.5577, 0.2980 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 14.8762, 0.5577, 0.2980 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 14.8762, 0.5577, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 14.8762, 0.5577, 0.2980.



This preview shows how white text looks on a background with the Yxy color 14.8762, 0.5577, 0.2980.

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

14.8762, 0.5577, 0.2980

Protanopia

15.1559, 0.3301, 0.3456

Deuteranopia

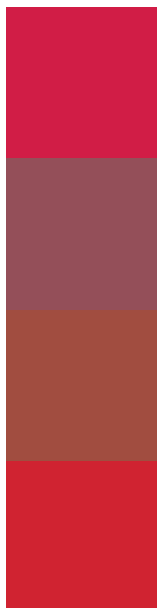
15.2241, 0.4154, 0.4089



Tritanopia

14.9297, 0.5985, 0.3305

Trichromacy



Original Color

14.8762, 0.5577, 0.2980

Protanomaly

12.6091, 0.4159, 0.3120

Deuteranomaly

13.2550, 0.4813, 0.3490

Tritanomaly

14.8337, 0.5863, 0.3201

Monochromacy



Original Color

14.8762, 0.5577, 0.2980

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.5139, 0.4135, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8762, 0.5577, 0.2980 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, 29, 70)` looks like.

```
.text, #text, p{  
    color:rgb(209, 29, 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, 29, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 29, 70) }
```

Border

The CSS property to change the border of an element to Yxy 14.8762, 0.5577, 0.2980 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, 29, 70) }
```

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

```
.border{ border-color:rgb(209, 29, 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, 29, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 29, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 29, 70);  
box-shadow:4px 4px 4px 4px rgb(209, 29,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8762, 0.5577, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 29, 70) }
```

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

```
.background{ background-color: rgb(209, 29,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor