

Converting Colors

$Yxy(13.5516, 0.5776, 0.2955)$

Have a look what the booklet for
Yxy(13.5516, 0.5776, 0.2955)
contains.

Yxy(13.6132, 0.5783, 0.2960)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.6132, 0.5783, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	CF003E
RGB	207, 0, 62
RGB Percent	81%, 0%, 24%
CMY	0.1883, 0.9992, 0.7569
CMYK	0.00, 1.00, 0.70, 0.19
HSL	342°, 100%, 41%
HSV	342°, 100%, 81%
XYZ	26.5963, 13.6132, 5.7810
YIQ	68.9610, 103.4700, 63.1660

Conversions

Conversions Part 2

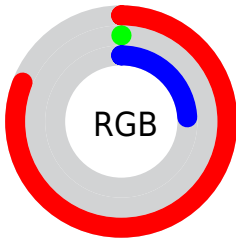
Format	Color
R_{YB}	207, 0, 62
Decimal	13566014
CIE _{Lab}	43.67, 69.83, 27.71
CIE _{LCh}	44, 75.125, 21.648
Yxy	13.6132, 0.5783, 0.2960
Android (android.graphics.Color)	4291756094 (0xFFCF003E)
YUV	68.9610, -3.4318, 121.0602
Hunter-Lab	36.8961, 64.1026, 16.5375

Details

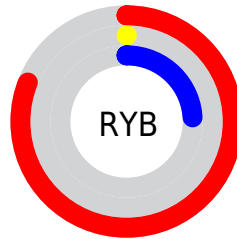
The Yxy color **13.6132, 0.5783, 0.2960** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **46.6657, 0.2528, 0.4300**, and the grayscale version is **5.9571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1805, 0.5033, 0.3098**, and **5.9834, 0.6166, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **13.6079, 0.5786, 0.2961**, and if you desaturate by 10%, it is **14.3236, 0.5475, 0.2871**.

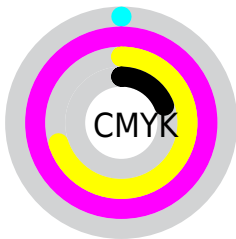
Distribution



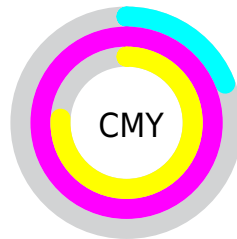
- Red (81%)
- Green (0%)
- Blue (24%)



- Red (81%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6132, 0.5783, 0.2960 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 13.6132, 0.5783, 0.2960 by changing the saturation by 10% instead.


 13.6132, 0.5783,
0.2960


 13.6132, 0.5783,
0.2960

214.8111, 0.4217,
0.3259

 7.8521, 0.6238,
0.2814


 32.4011, 0.5159,
0.3115


 4.0005, 0.6836,
0.2575

 46.1968, 0.4940,
0.3158


 1.6738, 0.7784,
0.2216

 63.4394, 0.4762,
0.3189

 0.4066, 0.8736,
0.1264

 84.5134, 0.4615,
0.3212

 0.0000, 1.0000,
0.0000

 109.8032, 0.4491,
0.3228

 0.0000, 0.0000,
0.0000

 139.6931, 0.4386,

0.3241

174.5676, 0.4295,
0.3251

■ 13.6132, 0.5783,
0.2960

■ 13.6132, 0.5783,
0.2960

■ 13.6079, 0.5786,
0.2961

■ 14.3236, 0.5475,
0.2871

■ 15.6455, 0.5123,
0.2819

■ 17.7709, 0.4756,
0.2813

■ 20.8054, 0.4405,
0.2846

■ 24.8384, 0.4090,
0.2904

■ 29.9485, 0.3819,
0.2978

■ 36.2062, 0.3592,
0.3058

■ 43.6763, 0.3404,
0.3139

■ 52.4184, 0.3251,
0.3217

Harmonies

Analogous

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



13.6132, 0.4515, 0.2218



13.6132, 0.5783, 0.2960



13.6132, 0.5908, 0.3771

Triad

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



13.6132, 0.5783, 0.2960



13.6132, 0.2699, 0.6197



13.6132, 0.1128, 0.1352

Complementary

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



13.6132, 0.5783, 0.2960



46.6657, 0.2528, 0.4300

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.



13.6132, 0.0906, 0.1737



13.6132, 0.5783, 0.2960



13.6132, 0.1612, 0.4718

Square

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



13.6132, 0.5783, 0.2960



13.6132, 0.3964, 0.5871



13.6132, 0.1022, 0.2782



13.6132, 0.1736, 0.1344

Rectangle

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



13.6132, 0.5783, 0.2960



13.6132, 0.5481, 0.4429



13.6132, 0.1022, 0.2782



13.6132, 0.1017, 0.1429

Sweetspot

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



13.6141, 0.5783, 0.2960



57.5339, 0.3601, 0.3054



10.5232, 0.2458, 0.1128



11.3569, 0.3694, 0.3019



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.



13.6141, 0.5783, 0.2960



21.7844, 0.5815, 0.2977



14.8874, 0.6185, 0.3470



11.8655, 0.3244, 0.3221



8.5905, 0.5750, 0.2941



0.4943, 0.5219, 0.2649

Inverse Universe

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



13.6141, 0.5783, 0.2960



21.7844, 0.5815, 0.2977



31.6405, 0.2064, 0.2630



11.8655, 0.3244, 0.3221



8.5905, 0.5750, 0.2941



0.4943, 0.5219, 0.2649

Previews

White Background



This preview shows how the Yxy color 13.6132, 0.5783, 0.2960 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 13.6132, 0.5783, 0.2960 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 13.6132, 0.5783, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 13.6132, 0.5783, 0.2960.



This preview shows how white text looks on a background with the Yxy color 13.6132, 0.5783, 0.2960.

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

13.6132, 0.5783, 0.2960

Protanopia

14.1909, 0.3374, 0.3569

Deuteranopia

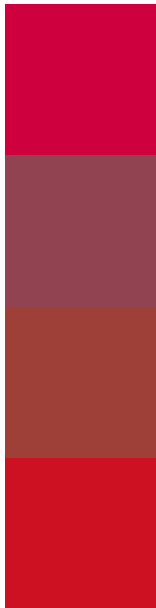
14.1081, 0.4267, 0.4186



Tritanopia

13.8676, 0.6208, 0.3320

Trichromacy



Original Color

13.6132, 0.5783, 0.2960

Protanomaly

10.6281, 0.4355, 0.3051

Deuteranomaly

11.2214, 0.5060, 0.3411

Tritanomaly

13.6137, 0.6118, 0.3210

Monochromacy



Original Color

13.6132, 0.5783, 0.2960

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.1167, 0.4427, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6132, 0.5783, 0.2960 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(207, 0, 62)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 62)  
}
```

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(207, 0, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 62) }
```

Border

The CSS property to change the border of an element to Yxy 13.6132, 0.5783, 0.2960 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(207, 0, 62) }
```

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

```
.border{ border-color:rgb(207, 0, 62) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 62)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6132, 0.5783, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 62) }
```

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

```
.background{ background-color: rgb(207, 0,  
62) }
```

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