

Converting Colors

$Y_{xy}(14.7886, 0.5662, 0.2893)$

Have a look what the booklet for
Yxy(14.7886, 0.5662, 0.2893)
contains.

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Color

Yxy(14.7640, 0.5653, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	D60048
RGB	214, 0, 72
RGB Percent	84%, 0%, 28%
CMY	0.1608, 0.9996, 0.7176
CMYK	0.00, 1.00, 0.66, 0.16
HSL	340°, 100%, 42%
HSV	340°, 100%, 84%
XYZ	28.8992, 14.7640, 7.4587
YIQ	72.1940, 104.4320, 67.7600

Conversions

Conversions Part 2

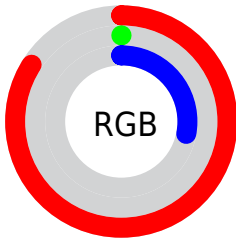
Format	Color
RYB	214, 0, 72
Decimal	14024776
CIELab	45.31, 71.95, 23.87
CIELCh	45, 75.809, 18.355
Yxy	14.7640, 0.5653, 0.2888
Android (android.graphics.Color)	4292214856 (0xFFD60048)
YUV	72.1940, -0.0956, 124.3639
Hunter-Lab	38.4240, 67.0105, 15.3877

Details

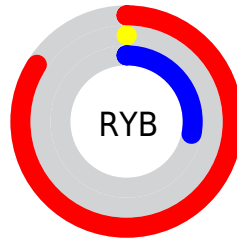
The Yxy color **14.7640, 0.5653, 0.2888** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **50.0442, 0.2566, 0.4439**, and the grayscale version is **6.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7608, 0.4872, 0.3008**, and **6.6730, 0.6045, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **14.7615, 0.5654, 0.2889**, and if you desaturate by 10%, it is **15.5251, 0.5350, 0.2797**.

Distribution



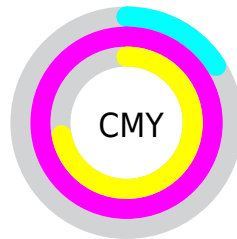
- Red (84%)
- Green (0%)
- Blue (28%)



- Red (84%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7640, 0.5653, 0.2888 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 14.7640, 0.5653, 0.2888 by changing the saturation by 10% instead.


 14.7640, 0.5653,
0.2888


 14.7640, 0.5653,
0.2888

221.9333, 0.4173,
0.3208


 8.6539, 0.6085,
0.2750

 34.4386, 0.5064,
0.3043


 4.5161, 0.6659,
0.2531

 48.7720, 0.4858,
0.3089


 1.9663, 0.7586,
0.2215

 66.6152, 0.4690,
0.3122

 0.5878, 0.8504,
0.1496

 88.3527, 0.4551,
0.3148

 0.0000, 1.0000,
0.0000

 114.3689, 0.4433,
0.3168

 0.0000, 0.0000,
0.0000

 145.0481, 0.4334,

0.3184

180.7748, 0.4248,
0.3197

■ 14.7640, 0.5653,
0.2888

■ 14.7640, 0.5653,
0.2888

■ 14.7615, 0.5654,
0.2889

■ 15.5251, 0.5350,
0.2797

■ 16.9440, 0.5013,
0.2748

■ 19.2254, 0.4666,
0.2748

■ 22.4840, 0.4336,
0.2787

■ 26.8165, 0.4040,
0.2854

■ 32.3077, 0.3784,
0.2938

■ 39.0342, 0.3569,
0.3028

■ 47.0656, 0.3392,
0.3119

■ 56.4666, 0.3246,
0.3207

Harmonies

Analogous

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



14.7640, 0.4314, 0.2159



14.7640, 0.5653, 0.2888



14.7640, 0.5913, 0.3686

Triad

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



14.7640, 0.5653, 0.2888



14.7640, 0.2850, 0.6184



14.7640, 0.1109, 0.1395

Complementary

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



14.7640, 0.5653, 0.2888



50.0442, 0.2566, 0.4439

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.



14.7640, 0.0925, 0.1835



14.7640, 0.5653, 0.2888



14.7640, 0.1737, 0.4915

Square

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



14.7640, 0.5653, 0.2888



14.7640, 0.4101, 0.5732



14.7640, 0.1086, 0.2966



14.7640, 0.1665, 0.1351

Rectangle

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



14.7640, 0.5653, 0.2888



14.7640, 0.5536, 0.4308



14.7640, 0.1086, 0.2966



14.7640, 0.1011, 0.1488

Sweetspot

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



14.7649, 0.5653, 0.2888



57.6701, 0.3576, 0.3025



10.3573, 0.2337, 0.1061



11.3886, 0.3664, 0.2986



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.



14.7649, 0.5653, 0.2888



21.9274, 0.5679, 0.2902



15.3383, 0.6269, 0.3404



12.4890, 0.3239, 0.3212



8.9408, 0.5616, 0.2867



0.5545, 0.5127, 0.2598

Inverse Universe

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



14.7649, 0.5653, 0.2888



21.9274, 0.5679, 0.2902



38.2733, 0.2112, 0.2802



12.4890, 0.3239, 0.3212



8.9408, 0.5616, 0.2867



0.5545, 0.5127, 0.2598

Previews

White Background



This preview shows how the Yxy color 14.7640, 0.5653, 0.2888 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 14.7640, 0.5653, 0.2888 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 14.7640, 0.5653, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 14.7640, 0.5653, 0.2888.



This preview shows how white text looks on a background with the Yxy color 14.7640, 0.5653, 0.2888.

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

14.7640, 0.5653, 0.2888

Protanopia

15.4226, 0.3206, 0.3352

Deuteranopia

15.2350, 0.4141, 0.4073



Tritanopia

15.0951, 0.6165, 0.3317

Trichromacy



Original Color

14.7640, 0.5653, 0.2888



Protanomaly

11.4540, 0.4143, 0.2869



Deuteranomaly

11.9712, 0.4909, 0.3295



Tritanomaly

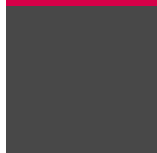
14.7459, 0.6054, 0.3180

Monochromacy



Original Color

14.7640, 0.5653, 0.2888



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.7070, 0.4351, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7640, 0.5653, 0.2888 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(214, 0, 72)` looks like.

```
.text, #text, p{  
  color:rgb(214, 0, 72)  
}
```

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(214, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 72) }
```

Border

The CSS property to change the border of an element to Yxy 14.7640, 0.5653, 0.2888 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(214, 0, 72) }
```

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

```
.border{ border-color:rgb(214, 0, 72) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7640, 0.5653, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 72) }
```

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

```
.background{ background-color: rgb(214, 0,  
72) }
```

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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