

Converting Colors

$Y_{xy}(14.5012, 0.6300, 0.3299)$

Have a look what the booklet for
Yxy(14.5012, 0.6300, 0.3299)
contains.

Yxy(14.4919, 0.6301, 0.3299)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(14.4919, 0.6301, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	D50E0E
RGB	213, 14, 14
RGB Percent	84%, 5%, 5%
CMY	0.1647, 0.9452, 0.9447
CMYK	0.00, 0.93, 0.93, 0.16
HSL	360°, 88%, 45%
HSV	360°, 93%, 84%
XYZ	27.6791, 14.4919, 1.7571
YIQ	73.5010, 118.6040, 42.1880

Conversions

Conversions Part 2

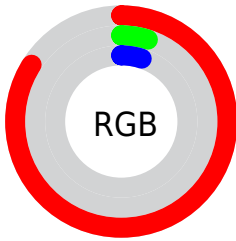
Format	Color
RYB	213, 14, 14
Decimal	13962766
CIELab	44.93, 68.79, 54.51
CIELCh	45, 87.767, 38.396
Yxy	14.4919, 0.6301, 0.3299
Android (android.graphics.Color)	4292152846 (0xFFD50E0E)
YUV	73.5010, -29.3340, 122.3406
Hunter-Lab	38.0682, 63.1667, 23.9111

Details

The Yxy color **14.4919, 0.6301, 0.3299** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **52.4843, 0.2254, 0.3289**, and the grayscale version is **6.7924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1011, 0.5535, 0.3511**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.1475, 0.6400, 0.3299**, and if you desaturate by 10%, it is **15.4897, 0.6039, 0.3298**.

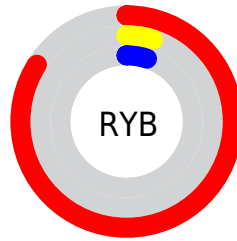
Distribution



Red (84%)

Green (5%)

Blue (5%)



Red (84%)

Yellow (5%)

Blue (5%)

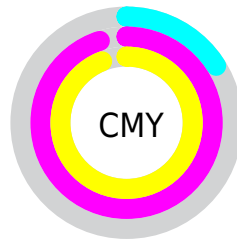


Cyan (0%)

Magenta (93%)

Yellow (93%)

Black (16%)



Cyan (16%)


Magenta (95%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4919, 0.6301, 0.3299 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 14.4919, 0.6301, 0.3299 by changing the saturation by 10% instead.


 14.4919, 0.6301,
0.3299


 14.4919, 0.6301,
0.3299


 220.2699, 0.4552,
0.3543


 8.4636, 0.6728,
0.3125

 33.9593, 0.5668,
0.3476


 4.3930, 0.7185,
0.2815

 48.1672, 0.5425,
0.3514


 1.8957, 0.7680,
0.2320

 65.8704, 0.5219,
0.3535

 0.5458, 0.8485,
0.1515

 87.4533, 0.5044,
0.3545

 0.0000, 1.0000,
0.0000

 113.3003, 0.4893,
0.3550

 0.0000, 0.0000,
0.0000


 143.7958, 0.4764,


0.3550

 179.3242, 0.4651,
0.3547


 14.4919, 0.6301,
0.3299


 14.4919, 0.6301,
0.3299

 14.1475, 0.6400,
0.3299

 15.4897, 0.6039,
0.3298

 17.3247, 0.5636,
0.3297

 20.1292, 0.5162,
0.3295

 24.0119, 0.4690,
0.3294

 29.0668, 0.4264,
0.3293

■ 35.3779, 0.3904,
0.3292

■ 43.0216, 0.3609,
0.3291

■ 52.0678, 0.3372,
0.3291

■ 62.5821, 0.3183,
0.3290

Harmonies

Analogous

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



14.4919, 0.5631, 0.2515



14.4919, 0.6301, 0.3299



14.4919, 0.5738, 0.4262

Triad

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



14.4919, 0.6301, 0.3299



14.4919, 0.1861, 0.5978



14.4919, 0.1256, 0.1145

Complementary

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



14.4919, 0.6301, 0.3299



52.4843, 0.2254, 0.3289

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.



14.4919, 0.0827, 0.1291



14.4919, 0.6301, 0.3299



14.4919, 0.1010, 0.3542

Square

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



14.4919, 0.6301, 0.3299



14.4919, 0.3122, 0.6601



14.4919, 0.0735, 0.1924



14.4919, 0.2200, 0.1314

Rectangle

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



14.4919, 0.6301, 0.3299



14.4919, 0.4943, 0.5057



14.4919, 0.0735, 0.1924



14.4919, 0.1068, 0.1156

Sweetspot

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



14.4928, 0.6301, 0.3299



58.8206, 0.3744, 0.3291



18.7743, 0.3169, 0.1539



11.5573, 0.3878, 0.3292



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.



14.4928, 0.6301, 0.3299



21.2603, 0.6400, 0.3299



25.3693, 0.5337, 0.4088



12.4209, 0.3291, 0.3290



8.6413, 0.6400, 0.3299



0.5212, 0.6398, 0.3298

Inverse Universe

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



14.4928, 0.6301, 0.3299



21.2603, 0.6400, 0.3299



17.5766, 0.1826, 0.1732



12.4209, 0.3291, 0.3290



8.6413, 0.6400, 0.3299



0.5212, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 14.4919, 0.6301, 0.3299 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 14.4919, 0.6301, 0.3299 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 14.4919, 0.6301, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 14.4919, 0.6301, 0.3299.



This preview shows how white text looks on a background with the Yxy color 14.4919, 0.6301, 0.3299.

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

14.4919, 0.6301, 0.3299

Protanopia

14.8999, 0.4223, 0.4653

Deuteranopia

14.7370, 0.4702, 0.4649

Trichromacy



Original Color

14.4919, 0.6301, 0.3299

Protanomaly

11.8422, 0.5281, 0.3918

Deuteranomaly

12.2838, 0.5582, 0.3912

Monochromacy



Original Color

14.4919, 0.6301, 0.3299

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.0639, 0.4807, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4919, 0.6301, 0.3299 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(213, 14, 14)` looks like.

```
.text, #text, p{  
  color:rgb(213, 14, 14)  
}
```

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(213, 14, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 14, 14) }
```

Border

The CSS property to change the border of an element to Yxy 14.4919, 0.6301, 0.3299 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(213, 14, 14) }
```

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

```
.border{ border-color:rgb(213, 14, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 14, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 14, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 14, 14);  
box-shadow:4px 4px 4px 4px rgb(213, 14,  
14) }
```

Background

The CSS property to change the background color of an element to Yxy 14.4919, 0.6301, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 14, 14) }
```

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

```
.background{ background-color: rgb(213, 14,  
14) }
```

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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