

Converting Colors

$Y_{xy}(14.7001, 0.6302, 0.3378)$

Have a look what the booklet for
Yxy(14.7001, 0.6302, 0.3378)
contains.

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Color

Yxy(14.7358, 0.6305, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	D41A00
RGB	212, 26, 0
RGB Percent	83%, 10%, 0%
CMY	0.1686, 0.8979, 1.0000
CMYK	0.00, 0.88, 1.00, 0.17
HSL	7°, 100%, 42%
HSV	7°, 100%, 83%
XYZ	27.5205, 14.7358, 1.3924
YIQ	78.6500, 119.2020, 31.3460

Conversions

Conversions Part 2

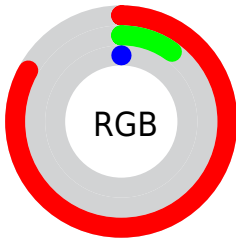
Format	Color
RYB	212, 30, 0
Decimal	13900288
CIELab	45.27, 66.69, 58.87
CIELCh	45, 88.953, 41.437
Yxy	14.7358, 0.6305, 0.3376
Android (android.graphics.Color)	4292090368 (0xFFD41A00)
YUV	78.6500, -38.7744, 116.9480
Hunter-Lab	38.3872, 60.7922, 24.7205

Details

The Yxy color **14.7358, 0.6305, 0.3376** 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 **39.8600, 0.2137, 0.2894**, and the grayscale version is **7.8097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7203, 0.5567, 0.3595**, and **6.2030, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.7368, 0.6305, 0.3376**, and if you desaturate by 10%, it is **15.8999, 0.6078, 0.3426**.

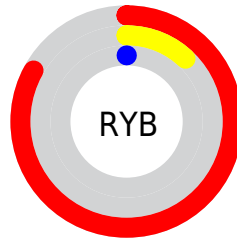
Distribution



Red (83%)

Green (10%)

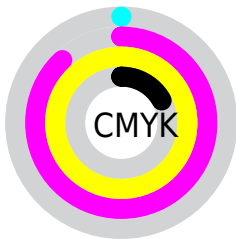
Blue (0%)



Red (83%)

Yellow (12%)

Blue (0%)

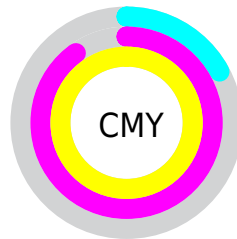


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (90%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7358, 0.6305, 0.3376 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 14.7358, 0.6305, 0.3376 by changing the saturation by 10% instead.


 14.7358, 0.6305,
0.3376

 14.7358, 0.6305,
0.3376


 221.7615, 0.4582,
0.3599


 8.6342, 0.6737,
0.3213


 34.3890, 0.5694,
0.3552


 4.5033, 0.7118,
0.2882

 48.7094, 0.5455,
0.3588


 1.9589, 0.7604,
0.2396

 66.5382, 0.5250,
0.3606

 0.5834, 0.8381,
0.1619

 88.2597, 0.5076,
0.3614

 0.0000, 1.0000,
0.0000


 114.2584, 0.4926,
0.3615

 0.0000, 0.0000,
0.0000

 144.9187, 0.4795,


0.3612

 180.6249, 0.4682,
0.3606

 14.7358, 0.6305,
0.3376


 14.7358, 0.6305,
0.3376


 14.7368, 0.6305,
0.3376

 15.8999, 0.6078,
0.3426

 17.7464, 0.5733,
0.3465

 20.3697, 0.5309,
0.3481

 23.8438, 0.4865,
0.3475

 28.2341, 0.4446,
0.3454

■ 33.5996, 0.4078,
0.3423

■ 39.9942, 0.3767,
0.3389

■ 47.4679, 0.3509,
0.3354

■ 56.0675, 0.3299,
0.3321

Harmonies

Analogous

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



14.7358, 0.5785, 0.2587



14.7358, 0.6305, 0.3376



14.7358, 0.5634, 0.4366

Triad

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



14.7358, 0.6305, 0.3376



14.7358, 0.1736, 0.5791



14.7358, 0.1315, 0.1139

Complementary

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



14.7358, 0.6305, 0.3376



39.8600, 0.2137, 0.2894

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.



14.7358, 0.0845, 0.1249



14.7358, 0.6305, 0.3376



14.7358, 0.0947, 0.3316

Square

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



14.7358, 0.6305, 0.3376



14.7358, 0.2974, 0.6667



14.7358, 0.0721, 0.1815



14.7358, 0.2329, 0.1340

Rectangle

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



14.7358, 0.6305, 0.3376



14.7358, 0.4809, 0.5191



14.7358, 0.0721, 0.1815



14.7358, 0.1111, 0.1139

Sweetspot

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



14.7368, 0.6305, 0.3376



60.4145, 0.3776, 0.3390



17.5962, 0.3530, 0.1718



12.0081, 0.3902, 0.3405



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.



14.7368, 0.6305, 0.3376



22.2560, 0.6315, 0.3368



30.1578, 0.5080, 0.4348



12.6640, 0.3288, 0.3319



9.1765, 0.6289, 0.3389



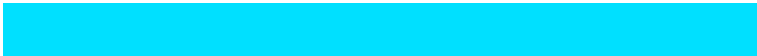
0.6367, 0.6031, 0.3593

Inverse Universe

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



39.8600, 0.2137, 0.2894



60.3676, 0.2136, 0.2890



10.6779, 0.1666, 0.1199



13.8355, 0.2983, 0.3261



24.7076, 0.2139, 0.2900



1.5650, 0.2159, 0.2974

Previews

White Background



This preview shows how the Yxy color 14.7358, 0.6305, 0.3376 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 14.7358, 0.6305, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

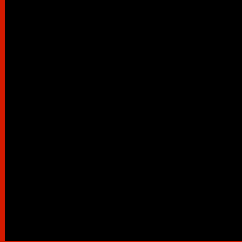
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.7358, 0.6305, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 14.7358, 0.6305, 0.3376.



This preview shows how white text looks on a background with the Yxy color 14.7358, 0.6305, 0.3376.

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

14.7358, 0.6305, 0.3376

Protanopia

15.1540, 0.4267, 0.4723

Deuteranopia

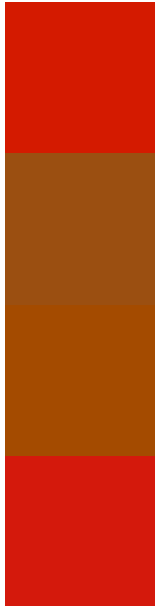
15.0189, 0.4698, 0.4652



Tritanopia

14.7393, 0.6225, 0.3323

Trichromacy



Original Color

14.7358, 0.6305, 0.3376

Protanomaly

12.6010, 0.5276, 0.4050

Deuteranomaly

12.9247, 0.5518, 0.4001

Tritanomaly

14.7189, 0.6262, 0.3344

Monochromacy



Original Color

14.7358, 0.6305, 0.3376

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.9740, 0.4779, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7358, 0.6305, 0.3376 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(212, 26, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 26, 0)  
}
```

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(212, 26, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 26, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.7358, 0.6305, 0.3376 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(212, 26, 0) }
```

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

```
.border{ border-color:rgb(212, 26, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 26, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 26, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 26, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 26, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7358, 0.6305, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 26, 0) }
```

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

```
.background{ background-color: rgb(212, 26,  
0) }
```

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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