

Converting Colors

$Yxy(13.9949, 0.6306, 0.3248)$

Have a look what the booklet for
Yxy(13.9949, 0.6306, 0.3248)
contains.

Yxy(14.0476, 0.6305, 0.3247)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.0476, 0.6305, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	D40014
RGB	212, 0, 20
RGB Percent	83%, 0%, 8%
CMY	0.1686, 0.9998, 0.9213
CMYK	0.00, 1.00, 0.91, 0.17
HSL	354°, 100%, 42%
HSV	354°, 100%, 83%
XYZ	27.2775, 14.0476, 1.9382
YIQ	65.6680, 119.9320, 51.1640

Conversions

Conversions Part 2

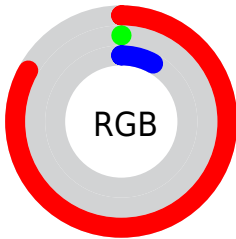
Format	Color
RYB	212, 0, 20
Decimal	13893652
CIELab	44.30, 69.89, 51.75
CIElCh	44, 86.960, 36.517
Yxy	14.0476, 0.6305, 0.3247
Android (android.graphics.Color)	4292083732 (0xFFD40014)
YUV	65.6680, -22.5143, 128.3332
Hunter-Lab	37.4801, 64.3196, 23.1700

Details

The Yxy color **14.0476, 0.6305, 0.3247** 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 **50.8914, 0.2330, 0.3586**, and the grayscale version is **5.4217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4816, 0.5532, 0.3450**, and **6.2030, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.0471, 0.6305, 0.3247**, and if you desaturate by 10%, it is **14.6906, 0.6069, 0.3208**.

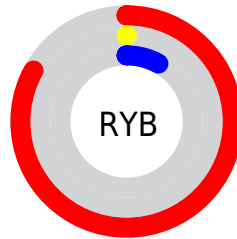
Distribution



Red (83%)

Green (0%)

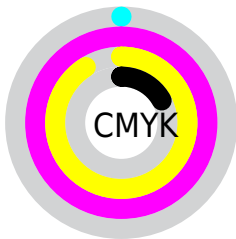
Blue (8%)



Red (83%)

Yellow (0%)

Blue (8%)

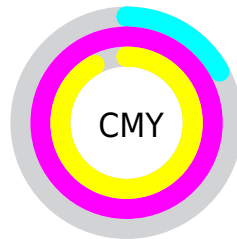


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (17%)



Cyan (17%)


Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0476, 0.6305, 0.3247 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 14.0476, 0.6305, 0.3247 by changing the saturation by 10% instead.


 14.0476, 0.6305,
0.3247


 14.0476, 0.6305,
0.3247


217.5267, 0.4534,
0.3508


 8.1538, 0.6739,
0.3066


 33.1735, 0.5656,
0.3427


 4.1935, 0.7238,
0.2762

 47.1743, 0.5409,
0.3468


 1.7824, 0.7747,
0.2253

 64.6463, 0.5201,
0.3491

 0.4762, 0.8616,
0.1384

 85.9737, 0.5025,
0.3504


 0.0000, 1.0000,
0.0000


 111.5411, 0.4875,
0.3510

 0.0000, 0.0000,
0.0000


 141.7328, 0.4745,


0.3512

 176.9332, 0.4633,
0.3511


 14.0476, 0.6305,
0.3247


 14.0476, 0.6305,
0.3247


 14.0471, 0.6305,
0.3247

 14.6906, 0.6069,
0.3208

 15.9952, 0.5708,
0.3174

 18.1698, 0.5270,
0.3157

 21.3312, 0.4817,
0.3158

 25.5782, 0.4397,
0.3171

■ 30.9976, 0.4034,
0.3193

■ 37.6675, 0.3731,
0.3217

■ 45.6590, 0.3484,
0.3242

■ 55.0381, 0.3286,
0.3267

Harmonies

Analogous

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



14.0476, 0.5544, 0.2466



14.0476, 0.6305, 0.3247



14.0476, 0.5805, 0.4195

Triad

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



14.0476, 0.6305, 0.3247



14.0476, 0.1931, 0.6101



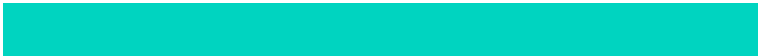
14.0476, 0.1215, 0.1143

Complementary

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



14.0476, 0.6305, 0.3247



50.8914, 0.2330, 0.3586

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.



14.0476, 0.0811, 0.1311



14.0476, 0.6305, 0.3247



14.0476, 0.1043, 0.3687

Square

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



14.0476, 0.6305, 0.3247



14.0476, 0.3211, 0.6576



14.0476, 0.0739, 0.1988



14.0476, 0.2120, 0.1294

Rectangle

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



14.0476, 0.6305, 0.3247



14.0476, 0.5024, 0.4976



14.0476, 0.0739, 0.1988



14.0476, 0.1037, 0.1160

Sweetspot

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



14.0485, 0.6305, 0.3247



56.8334, 0.3740, 0.3216



15.8053, 0.2956, 0.1402



11.1957, 0.3863, 0.3206



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.



14.0485, 0.6305, 0.3247



21.3262, 0.6318, 0.3254



20.4674, 0.5711, 0.3847



12.4397, 0.3276, 0.3268



8.6789, 0.6286, 0.3236



0.5302, 0.5977, 0.3066

Inverse Universe

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



14.0485, 0.6305, 0.3247



21.3262, 0.6318, 0.3254



19.9895, 0.1864, 0.1911



12.4397, 0.3276, 0.3268



8.6789, 0.6286, 0.3236



0.5302, 0.5977, 0.3066

Previews

White Background



This preview shows how the Yxy color 14.0476, 0.6305, 0.3247 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 14.0476, 0.6305, 0.3247 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 14.0476, 0.6305, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 14.0476, 0.6305, 0.3247.



This preview shows how white text looks on a background with the Yxy color 14.0476, 0.6305, 0.3247.

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

14.0476, 0.6305, 0.3247

Protanopia

14.6549, 0.4169, 0.4570

Deuteranopia

14.6536, 0.4688, 0.4660



Tritanopia

14.3146, 0.6339, 0.3349

Trichromacy



Original Color

14.0476, 0.6305, 0.3247

Protanomaly

11.0108, 0.5305, 0.3777

Deuteranomaly

11.5825, 0.5649, 0.3841

Tritanomaly

14.1272, 0.6336, 0.3311

Monochromacy



Original Color

14.0476, 0.6305, 0.3247

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.7996, 0.4902, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0476, 0.6305, 0.3247 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, 0, 20)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 20)  
}
```

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, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 20) }
```

Border

The CSS property to change the border of an element to Yxy 14.0476, 0.6305, 0.3247 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, 0, 20) }
```

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

```
.border{ border-color:rgb(212, 0, 20) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 20)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0476, 0.6305, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 20) }
```

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

```
.background{ background-color: rgb(212, 0,  
20) }
```

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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