

Converting Colors

$Y_{xy}(13.4899, 0.6061, 0.3204)$

Have a look what the booklet for
Yxy(13.4899, 0.6061, 0.3204)
contains.

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Color

Yxy(13.4776, 0.6062, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	CC1426
RGB	204, 20, 38
RGB Percent	80%, 8%, 15%
CMY	0.2000, 0.9213, 0.8511
CMYK	0.00, 0.90, 0.81, 0.20
HSL	354°, 82%, 44%
HSV	354°, 90%, 80%
XYZ	25.4998, 13.4776, 3.0876
YIQ	77.0680, 103.8860, 44.6060

Conversions

Conversions Part 2

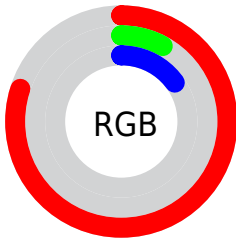
Format	Color
RYB	204, 20, 38
Decimal	13374502
CIELab	43.47, 66.13, 41.55
CIELCh	43, 78.098, 32.145
Yxy	13.4776, 0.6062, 0.3204
Android (android.graphics.Color)	4291564582 (0xFFCC1426)
YUV	77.0680, -19.2605, 111.3194
Hunter-Lab	36.7119, 59.7389, 20.7118

Details

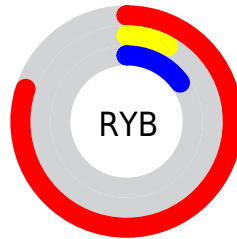
The Yxy color **13.4776, 0.6062, 0.3204** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **46.8806, 0.2337, 0.3563**, and the grayscale version is **7.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3823, 0.5319, 0.3355**, and **5.6627, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8862, 0.6298, 0.3243**, and if you desaturate by 10%, it is **14.6744, 0.5701, 0.3169**.

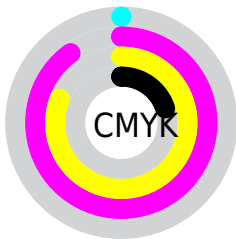
Distribution



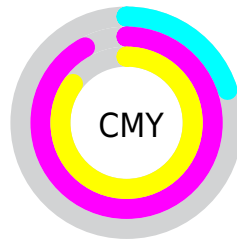
- Red (80%)
- Green (8%)
- Blue (15%)



- Red (80%)
- Yellow (8%)
- Blue (15%)



- Cyan (0%)
- Magenta (90%)
- Yellow (81%)
- Black (20%)



- Cyan (20%)
- Magenta (92%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4776, 0.6062, 0.3204 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 13.4776, 0.6062, 0.3204 by changing the saturation by 10% instead.


 13.4776, 0.6062,
0.3204


 13.4776, 0.6062,
0.3204


213.9563, 0.4369,
0.3429


 7.7582, 0.6508,
0.3045


 32.1592, 0.5412,
0.3353


 3.9406, 0.7179,
0.2821

 45.8902, 0.5175,
0.3387


 1.6404, 0.7696,
0.2304

 63.0606, 0.4979,
0.3407

 0.3846, 0.8698,
0.1302

 84.0547, 0.4816,
0.3419


 0.0000, 1.0000,
0.0000

 109.2569, 0.4678,
0.3425

 0.0000, 0.0000,
0.0000

 139.0516, 0.4559,

0.3428

 173.8233, 0.4457,
0.3429


 13.4776, 0.6062,
0.3204

 13.4776, 0.6062,
0.3204

 12.8862, 0.6298,
0.3243

 14.6744, 0.5701,
0.3169

 16.6641, 0.5264,
0.3153

 19.5539, 0.4814,
0.3154

 23.4337, 0.4396,
0.3168

 28.3825, 0.4034,
0.3189

■ 34.4714, 0.3732,
0.3214

■ 41.7651, 0.3486,
0.3241

■ 50.3239, 0.3288,
0.3266

■ 60.2036, 0.3129,
0.3290

Harmonies

Analogous

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



13.4776, 0.5135, 0.2434



13.4776, 0.6062, 0.3204



13.4776, 0.5789, 0.4086

Triad

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



13.4776, 0.6062, 0.3204



13.4776, 0.2231, 0.6018



13.4776, 0.1240, 0.1261

Complementary

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



13.4776, 0.6062, 0.3204



46.8806, 0.2337, 0.3563

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.



13.4776, 0.0895, 0.1492



13.4776, 0.6062, 0.3204



13.4776, 0.1277, 0.3993

Square

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



13.4776, 0.6062, 0.3204



13.4776, 0.3484, 0.6231



13.4776, 0.0881, 0.2268



13.4776, 0.2033, 0.1363

Rectangle

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



13.4776, 0.6062, 0.3204



13.4776, 0.5179, 0.4821



13.4776, 0.0881, 0.2268



13.4776, 0.1084, 0.1296

Sweetspot

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



13.4785, 0.6062, 0.3204



60.2845, 0.3658, 0.3222



15.2508, 0.2982, 0.1453



12.0681, 0.3750, 0.3213



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.



13.4785, 0.6062, 0.3204



21.3294, 0.6314, 0.3252



20.8276, 0.5473, 0.3931



11.2311, 0.3275, 0.3268



8.1178, 0.6278, 0.3232



0.4250, 0.5925, 0.3037

Inverse Universe

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



13.4785, 0.6062, 0.3204



21.3294, 0.6314, 0.3252



20.5860, 0.1925, 0.2061



11.2311, 0.3275, 0.3268



8.1178, 0.6278, 0.3232



0.4250, 0.5925, 0.3037

Previews

White Background



This preview shows how the Yxy color 13.4776, 0.6062, 0.3204 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 13.4776, 0.6062, 0.3204 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 13.4776, 0.6062, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 13.4776, 0.6062, 0.3204.



This preview shows how white text looks on a background with the Yxy color 13.4776, 0.6062, 0.3204.

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

13.4776, 0.6062, 0.3204

Protanopia

13.7938, 0.3889, 0.4231

Deuteranopia

13.8031, 0.4591, 0.4541



Tritanopia

13.5377, 0.6216, 0.3320

Trichromacy



Original Color

13.4776, 0.6062, 0.3204

Protanomaly

11.2071, 0.4886, 0.3648

Deuteranomaly

11.7286, 0.5380, 0.3827

Tritanomaly

13.5247, 0.6168, 0.3285

Monochromacy



Original Color

13.4776, 0.6062, 0.3204

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.3982, 0.4468, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4776, 0.6062, 0.3204 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(204, 20, 38)` looks like.

```
.text, #text, p{  
    color:rgb(204, 20, 38)  
}
```

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(204, 20, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 20, 38) }
```

Border

The CSS property to change the border of an element to Yxy 13.4776, 0.6062, 0.3204 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(204, 20, 38) }
```

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

```
.border{ border-color:rgb(204, 20, 38) }
```

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

Here you see how a box with a 4 pixel rgb(204, 20, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 20, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 20, 38);  
box-shadow:4px 4px 4px 4px rgb(204, 20,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4776, 0.6062, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 20, 38) }
```

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

```
.background{ background-color: rgb(204, 20,  
38) }
```

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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