

Converting Colors

$Y_{xy}(13.2609, 0.5956, 0.3406)$

Have a look what the booklet for
Yxy(13.2609, 0.5956, 0.3406)
contains.

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Color

Yxy(13.2275, 0.5951, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	C12C1D
RGB	193, 44, 29
RGB Percent	76%, 17%, 11%
CMY	0.2432, 0.8273, 0.8863
CMYK	0.00, 0.77, 0.85, 0.24
HSL	6°, 74%, 44%
HSV	6°, 85%, 76%
XYZ	23.1112, 13.2275, 2.4971
YIQ	86.8410, 93.6190, 26.9230

Conversions

Conversions Part 2

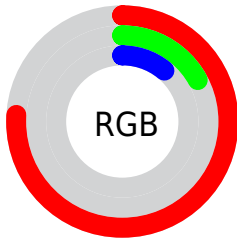
Format	Color
RYB	193, 46, 29
Decimal	12659741
CIELab	43.10, 57.32, 45.08
CIElCh	43, 72.924, 38.184
Yxy	13.2275, 0.5951, 0.3406
Android (android.graphics.Color)	4290849821 (0xFFC12C1D)
YUV	86.8410, -28.5156, 93.1014
Hunter-Lab	36.3696, 49.7817, 21.3879

Details

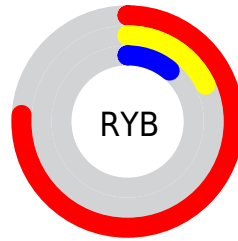
The Yxy color **13.2275, 0.5951, 0.3406** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **35.9245, 0.2207, 0.3045**, and the grayscale version is **9.5466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2845, 0.5316, 0.3517**, and **4.8253, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.1181, 0.6232, 0.3368**, and if you desaturate by 10%, it is **14.9496, 0.5555, 0.3428**.

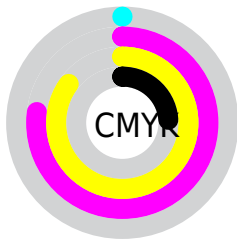
Distribution



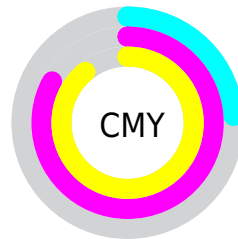
- Red (76%)
- Green (17%)
- Blue (11%)



- Red (76%)
- Yellow (18%)
- Blue (11%)



- Cyan (0%)
- Magenta (77%)
- Yellow (85%)
- Black (24%)





- Cyan (24%)
- Magenta (83%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2275, 0.5951, 0.3406 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 13.2275, 0.5951, 0.3406 by changing the saturation by 10% instead.


 13.2275, 0.5951,
0.3406


 13.2275, 0.5951,
0.3406


212.3706, 0.4326,
0.3523


 7.5854, 0.6372,
0.3267


 31.7119, 0.5331,
0.3519


 3.8308, 0.6958,
0.3042

 45.3230, 0.5104,
0.3538

 1.5794, 0.7462,
0.2538

 62.3592, 0.4915,
0.3545

 0.3436, 0.8577,
0.1423

 83.2049, 0.4758,
0.3545

 0.0000, 1.0000,
0.0000

 108.2444, 0.4625,
0.3542


 0.0000, 0.0000,
0.0000


 137.8623, 0.4511,


0.3536

 172.4429, 0.4412,
0.3530


 13.2275, 0.5951,
0.3406


 13.2275, 0.5951,
0.3406


 12.1181, 0.6232,
0.3368


 14.9496, 0.5555,
0.3428

 11.7582, 0.6332,
0.3354

 17.3536, 0.5106,
0.3432

 20.5017, 0.4663,
0.3421

 24.4487, 0.4262,
0.3402

 29.2440, 0.3918,
0.3377

■ 34.9332, 0.3632,
0.3351

■ 41.5585, 0.3398,
0.3326

■ 49.1595, 0.3208,
0.3301

■ 57.7735, 0.3054,
0.3279

Harmonies

Analogous

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



13.2275, 0.5290, 0.2633



13.2275, 0.5951, 0.3406



13.2275, 0.5543, 0.4306

Triad

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



13.2275, 0.5951, 0.3406



13.2275, 0.2082, 0.5534



13.2275, 0.1429, 0.1333

Complementary

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



13.2275, 0.5951, 0.3406



35.9245, 0.2207, 0.3045

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.



13.2275, 0.1013, 0.1493



13.2275, 0.5951, 0.3406



13.2275, 0.1247, 0.3563

Square

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



13.2275, 0.5951, 0.3406



13.2275, 0.3269, 0.6169



13.2275, 0.0939, 0.2123



13.2275, 0.2312, 0.1492

Rectangle

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



13.2275, 0.5951, 0.3406



13.2275, 0.4922, 0.5040



13.2275, 0.0939, 0.2123



13.2275, 0.1246, 0.1348

Sweetspot

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



13.2283, 0.5951, 0.3406



62.1215, 0.3643, 0.3352



15.4809, 0.3389, 0.1715



12.5179, 0.3739, 0.3361



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.2283, 0.5951, 0.3406



20.9156, 0.6345, 0.3344



26.0034, 0.4906, 0.4325



10.2232, 0.3287, 0.3312



7.8752, 0.6320, 0.3364



0.3919, 0.6060, 0.3571

Inverse Universe

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



35.9245, 0.2207, 0.3045



61.8162, 0.2165, 0.2994



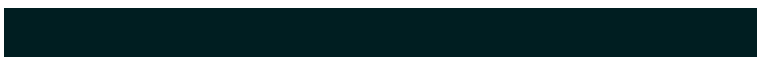
12.7198, 0.1820, 0.1604



11.2653, 0.2984, 0.3268



23.0902, 0.2168, 0.3003



1.0447, 0.2187, 0.3072

Previews

White Background



This preview shows how the Yxy color 13.2275, 0.5951, 0.3406 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 13.2275, 0.5951, 0.3406 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 13.2275, 0.5951, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 13.2275, 0.5951, 0.3406.



This preview shows how white text looks on a background with the Yxy color 13.2275, 0.5951, 0.3406.

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

13.2275, 0.5951, 0.3406

Protanopia

13.4598, 0.4076, 0.4481

Deuteranopia

13.2952, 0.4708, 0.4644



Tritanopia

13.1678, 0.5810, 0.3290

Trichromacy



Original Color

13.2275, 0.5951, 0.3406

Protanomaly

12.0207, 0.4872, 0.3981

Deuteranomaly

12.2452, 0.5306, 0.4081

Tritanomaly

13.2052, 0.5864, 0.3337

Monochromacy



Original Color

13.2275, 0.5951, 0.3406

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.3354, 0.4304, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2275, 0.5951, 0.3406 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(193, 44, 29)` looks like.

```
.text, #text, p{  
    color:rgb(193, 44, 29)  
}
```

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(193, 44, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 44, 29) }
```

Border

The CSS property to change the border of an element to Yxy 13.2275, 0.5951, 0.3406 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(193, 44, 29) }
```

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

```
.border{ border-color:rgb(193, 44, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 44, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 44, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 44, 29);  
box-shadow:4px 4px 4px 4px rgb(193, 44,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2275, 0.5951, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 44, 29) }
```

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

```
.background{ background-color: rgb(193, 44,  
29) }
```

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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