

Converting Colors

$Y_{xy}(11.8729, 0.6229, 0.3226)$

Have a look what the booklet for
Yxy(11.8729, 0.6229, 0.3226)
contains.

Yxy(11.9145, 0.6229, 0.3227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.9145, 0.6229, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	C40519
RGB	196, 5, 25
RGB Percent	77%, 2%, 10%
CMY	0.2313, 0.9807, 0.9019
CMYK	0.00, 0.97, 0.87, 0.23
HSL	354°, 95%, 39%
HSV	354°, 97%, 77%
XYZ	22.9983, 11.9145, 2.0085
YIQ	64.3890, 107.4160, 46.7120

Conversions

Conversions Part 2

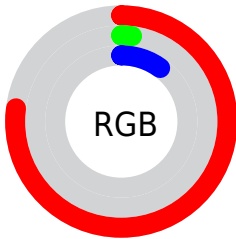
Format	Color
RYB	196, 5, 25
Decimal	12846361
CIELab	41.08, 65.54, 45.57
CIELCh	41, 79.822, 34.812
Yxy	11.9145, 0.6229, 0.3227
Android (android.graphics.Color)	4291036441 (0xFFC40519)
YUV	64.3890, -19.4188, 115.4228
Hunter-Lab	34.5174, 58.5257, 20.7122

Details

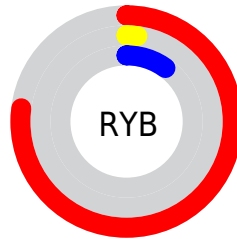
The Yxy color **11.9145, 0.6229, 0.3227** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **42.6507, 0.2340, 0.3612**, and the grayscale version is **5.2005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2119, 0.5508, 0.3406**, and **4.9055, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7907, 0.6283, 0.3235**, and if you desaturate by 10%, it is **12.5845, 0.5950, 0.3182**.

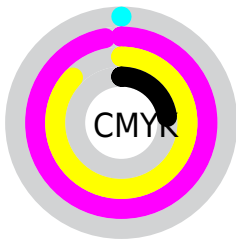
Distribution



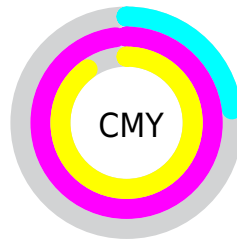
- Red (77%)
- Green (2%)
- Blue (10%)



- Red (77%)
- Yellow (2%)
- Blue (10%)



- Cyan (0%)
- Magenta (97%)
- Yellow (87%)
- Black (23%)




- Cyan (23%)
- Magenta (98%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9145, 0.6229, 0.3227 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 11.9145, 0.6229, 0.3227 by changing the saturation by 10% instead.


 11.9145, 0.6229,
0.3227


 11.9145, 0.6229,
0.3227


203.8384, 0.4437,
0.3475


 6.6855, 0.6700,
0.3045


 29.3393, 0.5548,
0.3401


 3.2662, 0.7271,
0.2729

 42.3039, 0.5296,
0.3439


 1.2722, 0.7835,
0.2165

 58.6157, 0.5088,
0.3460

 0.1196, 0.9449,
0.0551

 78.6593, 0.4914,
0.3471

 0.0000, 1.0000,
0.0000


 102.8189, 0.4766,
0.3477


 0.0000, 0.0000,
0.0000

 131.4791, 0.4640,

0.3478

 165.0241, 0.4531,
0.3477


 11.9145, 0.6229,
0.3227


 11.9145, 0.6229,
0.3227


 11.7907, 0.6283,
0.3235

 12.5845, 0.5950,
0.3182

 13.8765, 0.5561,
0.3150

 15.9196, 0.5117,
0.3139

 18.8053, 0.4676,
0.3145

 22.6117, 0.4278,
0.3163

■ 27.4082, 0.3937,
0.3188

■ 33.2573, 0.3655,
0.3216

■ 40.2165, 0.3426,
0.3244

■ 48.3392, 0.3241,
0.3271

Harmonies

Analogous

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



11.9145, 0.5393, 0.2449



11.9145, 0.6229, 0.3227



11.9145, 0.5835, 0.4165

Triad

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



11.9145, 0.6229, 0.3227



11.9145, 0.2042, 0.6095



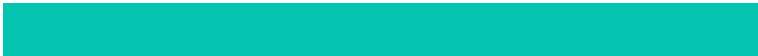
11.9145, 0.1217, 0.1181

Complementary

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



11.9145, 0.6229, 0.3227



42.6507, 0.2340, 0.3612

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.



11.9145, 0.0835, 0.1373



11.9145, 0.6229, 0.3227



11.9145, 0.1124, 0.3815

Square

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



11.9145, 0.6229, 0.3227



11.9145, 0.3327, 0.6472



11.9145, 0.0784, 0.2090



11.9145, 0.2078, 0.1313

Rectangle

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



11.9145, 0.6229, 0.3227



11.9145, 0.5090, 0.4910



11.9145, 0.0784, 0.2090



11.9145, 0.1047, 0.1205

Sweetspot

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



11.9153, 0.6229, 0.3227



57.9947, 0.3706, 0.3210



13.0601, 0.2923, 0.1393



11.4154, 0.3826, 0.3198



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.



11.9153, 0.6229, 0.3227



21.3383, 0.6303, 0.3246



17.2229, 0.5690, 0.3838



10.0947, 0.3273, 0.3266



7.5809, 0.6261, 0.3223



0.3335, 0.5841, 0.2991

Inverse Universe

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



11.9153, 0.6229, 0.3227



21.3383, 0.6303, 0.3246



18.1260, 0.1897, 0.2013



10.0947, 0.3273, 0.3266



7.5809, 0.6261, 0.3223



0.3335, 0.5841, 0.2991

Previews

White Background



This preview shows how the Yxy color 11.9145, 0.6229, 0.3227 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



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 11.9145, 0.6229, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 11.9145, 0.6229, 0.3227.



This preview shows how white text looks on a background with the Yxy color 11.9145, 0.6229, 0.3227.

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

11.9145, 0.6229, 0.3227

Protanopia

12.4131, 0.4071, 0.4461

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.0347, 0.6332, 0.3354

Trichromacy



Original Color

11.9145, 0.6229, 0.3227

Protanomaly

9.5707, 0.5157, 0.3741

Deuteranomaly

10.0443, 0.5588, 0.3862

Tritanomaly

11.9097, 0.6311, 0.3311

Monochromacy



Original Color

11.9145, 0.6229, 0.3227

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.4028, 0.4734, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9145, 0.6229, 0.3227 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(196, 5, 25)` looks like.

```
.text, #text, p{  
  color:rgb(196, 5, 25)  
}
```

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(196, 5, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 5, 25) }
```

Border

The CSS property to change the border of an element to Yxy 11.9145, 0.6229, 0.3227 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(196, 5, 25) }
```

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

```
.border{ border-color:rgb(196, 5, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 5, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 5, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 5, 25);  
box-shadow:4px 4px 4px 4px rgb(196, 5, 25)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9145, 0.6229, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 5, 25) }
```

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

```
.background{ background-color: rgb(196, 5,  
25) }
```

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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