

Converting Colors

$Y_{xy}(11.9583, 0.5810, 0.3178)$

Have a look what the booklet for
Yxy(11.9583, 0.5810, 0.3178)
contains.

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Color

Yxy(11.9296, 0.5798, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	BC202F
RGB	188, 32, 47
RGB Percent	74%, 13%, 18%
CMY	0.2628, 0.8743, 0.8157
CMYK	0.00, 0.83, 0.75, 0.26
HSL	354°, 71%, 43%
HSV	354°, 83%, 74%
XYZ	21.7646, 11.9296, 3.8439
YIQ	80.3540, 88.1610, 37.7370

Conversions

Conversions Part 2

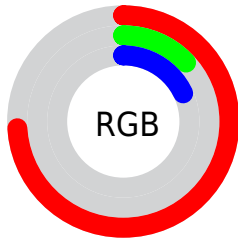
Format	Color
R _Y B	188, 32, 47
Decimal	12329007
CIE Lab	41.10, 59.76, 32.85
CIE LCh	41, 68.190, 28.795
Yxy	11.9296, 0.5798, 0.3178
Android (android.graphics.Color)	4290519087 (0xFFBC202F)
YUV	80.3540, -16.4435, 94.4055
Hunter-Lab	34.5393, 52.0364, 17.5790

Details

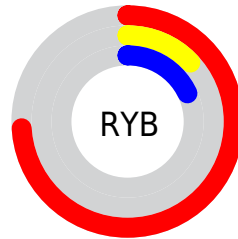
The Yxy color **11.9296, 0.5798, 0.3178** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **39.2844, 0.2350, 0.3534**, and the grayscale version is **8.1209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3050, 0.5161, 0.3305**, and **4.4378, 0.6387, 0.3292** is the 20% darker color. If you saturate the color by 10%, you get **11.0770, 0.6130, 0.3216**, and if you desaturate by 10%, it is **13.4144, 0.5375, 0.3157**.

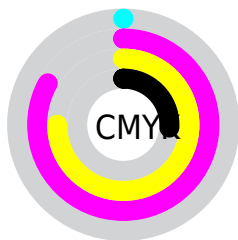
Distribution



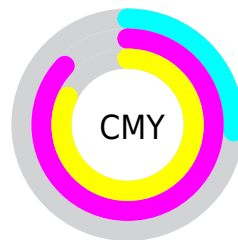
- Red (74%)
- Green (13%)
- Blue (18%)



- Red (74%)
- Yellow (13%)
- Blue (18%)



- Cyan (0%)
- Magenta (83%)
- Yellow (75%)
- Black (26%)




- Cyan (26%)
- Magenta (87%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9296, 0.5798, 0.3178 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 11.9296, 0.5798, 0.3178 by changing the saturation by 10% instead.


 11.9296, 0.5798,
0.3178


 11.9296, 0.5798,
0.3178

203.9387, 0.4202,
0.3374


 6.6958, 0.6262,
0.3039


 29.3668, 0.5159,
0.3305


 3.2726, 0.6961,
0.2825

 42.3390, 0.4935,
0.3334

 1.2756, 0.7665,
0.2335

 58.6594, 0.4754,
0.3351

 0.1222, 0.9367,
0.0633

 78.7124, 0.4604,
0.3362

 0.0000, 1.0000,
0.0000

 102.8825, 0.4479,
0.3368

 0.0000, 0.0000,
0.0000

 131.5539, 0.4372,

0.3372

165.1112, 0.4281,
0.3374

■ 11.9296, 0.5798,
0.3178

■ 11.9296, 0.5798,
0.3178

■ 11.0770, 0.6130,
0.3216

■ 13.4144, 0.5375,
0.3157

■ 10.7322, 0.6293,
0.3240

■ 15.6206, 0.4925,
0.3154

■ 18.6253, 0.4498,
0.3165

■ 22.4952, 0.4122,
0.3185

■ 27.2899, 0.3806,
0.3209

■ 33.0638, 0.3547,
0.3235

■ 39.8671, 0.3338,
0.3260

■ 47.7465, 0.3170,
0.3283

■ 56.7458, 0.3035,
0.3305

Harmonies

Analogous

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



11.9296, 0.4808, 0.2429



11.9296, 0.5798, 0.3178



11.9296, 0.5697, 0.4008

Triad

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



11.9296, 0.5798, 0.3178



11.9296, 0.2470, 0.5850



11.9296, 0.1295, 0.1387

Complementary

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



11.9296, 0.5798, 0.3178



39.2844, 0.2350, 0.3534

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.



11.9296, 0.0996, 0.1668



11.9296, 0.5798, 0.3178



11.9296, 0.1496, 0.4165

Square

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



11.9296, 0.5798, 0.3178



11.9296, 0.3674, 0.5940



11.9296, 0.1033, 0.2503



11.9296, 0.2005, 0.1449

Rectangle

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



11.9296, 0.5798, 0.3178



11.9296, 0.5209, 0.4682



11.9296, 0.1033, 0.2503



11.9296, 0.1156, 0.1436

Sweetspot

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



11.9303, 0.5798, 0.3178



57.1856, 0.3606, 0.3228



13.4810, 0.3001, 0.1516



11.4960, 0.3695, 0.3219



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



11.9303, 0.5798, 0.3178



19.4401, 0.6314, 0.3252



18.8755, 0.5259, 0.3965



9.5508, 0.3274, 0.3268



7.3141, 0.6275, 0.3230



0.2916, 0.5861, 0.3002

Inverse Universe

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



11.9303, 0.5798, 0.3178



19.4401, 0.6314, 0.3252



18.7610, 0.1983, 0.2178



9.5508, 0.3274, 0.3268



7.3141, 0.6275, 0.3230



0.2916, 0.5861, 0.3002

Previews

White Background



This preview shows how the Yxy color 11.9296, 0.5798, 0.3178 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 11.9296, 0.5798, 0.3178 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 11.9296, 0.5798, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 11.9296, 0.5798, 0.3178.



This preview shows how white text looks on a background with the Yxy color 11.9296, 0.5798, 0.3178.

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

11.9296, 0.5798, 0.3178

Protanopia

12.2169, 0.3687, 0.3966

Deuteranopia

12.0998, 0.4413, 0.4350



Tritanopia

12.0089, 0.5954, 0.3306

Trichromacy



Original Color

11.9296, 0.5798, 0.3178

Protanomaly

10.4580, 0.4554, 0.3550

Deuteranomaly

10.7776, 0.5055, 0.3755

Tritanomaly

11.9819, 0.5899, 0.3260

Monochromacy



Original Color

11.9296, 0.5798, 0.3178

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.8943, 0.4211, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9296, 0.5798, 0.3178 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(188, 32, 47)` looks like.

```
.text, #text, p{  
    color:rgb(188, 32, 47)  
}
```

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(188, 32, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 32, 47) }
```

Border

The CSS property to change the border of an element to Yxy 11.9296, 0.5798, 0.3178 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(188, 32, 47) }
```

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

```
.border{ border-color:rgb(188, 32, 47) }
```

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

Here you see how a box with a 4 pixel rgb(188, 32, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 32, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 32, 47);  
box-shadow:4px 4px 4px 4px rgb(188, 32,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9296, 0.5798, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 32, 47) }
```

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

```
.background{ background-color: rgb(188, 32,  
47) }
```

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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