

Converting Colors

$Y_{xy}(11.8939, 0.6218, 0.3445)$

Have a look what the booklet for
Yxy(11.8939, 0.6218, 0.3445)
contains.

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Color

Yxy(11.9065, 0.6223, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	BD2100
RGB	189, 33, 0
RGB Percent	74%, 13%, 0%
CMY	0.2588, 0.8707, 1.0000
CMYK	0.00, 0.83, 1.00, 0.26
HSL	10°, 100%, 37%
HSV	10°, 100%, 74%
XYZ	21.5327, 11.9065, 1.1626
YIQ	75.8820, 103.5690, 22.8090

Conversions

Conversions Part 2

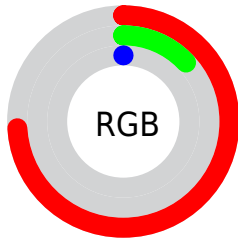
Format	Color
R _Y B	189, 40, 0
Decimal	12394752
CIE Lab	41.07, 58.83, 54.35
CIE LCh	41, 80.091, 42.735
Yxy	11.9065, 0.6223, 0.3441
Android (android.graphics.Color)	4290584832 (0xFFBD2100)
YUV	75.8820, -37.4098, 99.2045
Hunter-Lab	34.5058, 51.0047, 22.1564

Details

The Yxy color **11.9065, 0.6223, 0.3441** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **27.4627, 0.2090, 0.2722**, and the grayscale version is **7.2587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3333, 0.5586, 0.3600**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.9073, 0.6223, 0.3441**, and if you desaturate by 10%, it is **13.0293, 0.5969, 0.3505**.

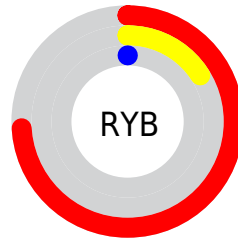
Distribution



Red (74%)

Green (13%)

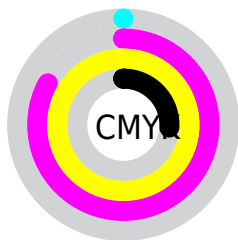
Blue (0%)



Red (74%)

Yellow (16%)

Blue (0%)

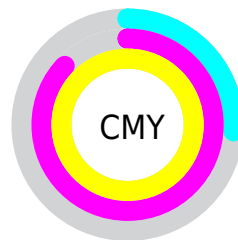


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (87%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9065, 0.6223, 0.3441 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 11.9065, 0.6223, 0.3441 by changing the saturation by 10% instead.


 11.9065, 0.6223,
0.3441


 11.9065, 0.6223,
0.3441


 203.7853, 0.4481,
0.3612

 6.6800, 0.6711,
0.3289


 29.3247, 0.5586,
0.3604


 3.2628, 0.7088,
0.2912

 42.2852, 0.5342,
0.3631


 1.2704, 0.7639,
0.2361

 58.5926, 0.5137,
0.3642

 0.1181, 0.9372,
0.0628

 78.6311, 0.4963,
0.3643


 0.0000, 1.0000,
0.0000


 102.7853, 0.4815,
0.3639


 0.0000, 0.0000,
0.0000


 131.4394, 0.4688,

0.3632

 164.9780, 0.4577,
0.3622

 11.9065, 0.6223,
0.3441


 11.9065, 0.6223,
0.3441


 11.9073, 0.6223,
0.3441

 13.0293, 0.5969,
0.3505

 14.6473, 0.5619,
0.3551

 16.8199, 0.5209,
0.3565

 19.5926, 0.4788,
0.3552

 23.0063, 0.4394,
0.3520

■ 27.0980, 0.4046,
0.3477

■ 31.9019, 0.3749,
0.3429

■ 37.4500, 0.3501,
0.3380

■ 43.7721, 0.3296,
0.3334

Harmonies

Analogous

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



11.9065, 0.5758, 0.2649



11.9065, 0.6223, 0.3441



11.9065, 0.5562, 0.4438

Triad

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



11.9065, 0.6223, 0.3441



11.9065, 0.1741, 0.5599



11.9065, 0.1384, 0.1182

Complementary

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



11.9065, 0.6223, 0.3441



27.4627, 0.2090, 0.2722

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.



11.9065, 0.0897, 0.1280



11.9065, 0.6223, 0.3441



11.9065, 0.0978, 0.3238

Square

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



11.9065, 0.6223, 0.3441



11.9065, 0.2957, 0.6580



11.9065, 0.0762, 0.1821



11.9065, 0.2412, 0.1394

Rectangle

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



11.9065, 0.6223, 0.3441



11.9065, 0.4756, 0.5244



11.9065, 0.0762, 0.1821



11.9065, 0.1173, 0.1179

Sweetspot

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



11.9073, 0.6223, 0.3441



56.6841, 0.3762, 0.3431



13.2725, 0.3682, 0.1802



11.3813, 0.3882, 0.3452



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.



11.9073, 0.6223, 0.3441



21.0836, 0.6244, 0.3424



25.7447, 0.4934, 0.4464



9.7983, 0.3284, 0.3331



8.0903, 0.6204, 0.3456



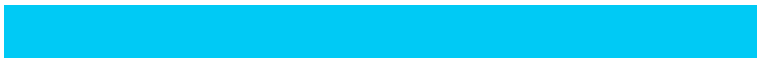
0.4010, 0.5779, 0.3793

Inverse Universe

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



27.4627, 0.2090, 0.2722



48.8612, 0.2087, 0.2713



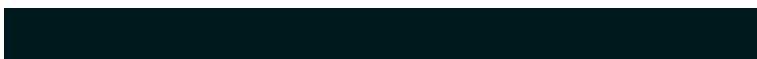
7.2303, 0.1632, 0.1076



10.5186, 0.2985, 0.3249



18.5742, 0.2092, 0.2730



0.8033, 0.2133, 0.2878

Previews

White Background



This preview shows how the Yxy color 11.9065, 0.6223, 0.3441 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 11.9065, 0.6223, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

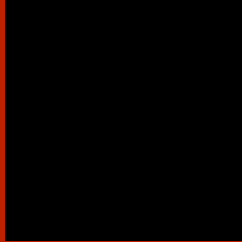
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.9065, 0.6223, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 11.9065, 0.6223, 0.3441.



This preview shows how white text looks on a background with the Yxy color 11.9065, 0.6223, 0.3441.

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

11.9065, 0.6223, 0.3441

Protanopia

12.1122, 0.4272, 0.4725

Deuteranopia

12.1138, 0.4696, 0.4653



Tritanopia

11.8925, 0.6034, 0.3305

Trichromacy



Original Color

11.9065, 0.6223, 0.3441

Protanomaly

10.4210, 0.5196, 0.4107

Deuteranomaly

10.8024, 0.5440, 0.4062

Tritanomaly

11.8989, 0.6126, 0.3372

Monochromacy



Original Color

11.9065, 0.6223, 0.3441

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.2270, 0.4649, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9065, 0.6223, 0.3441 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(189, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 33, 0)  
}
```

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(189, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 33, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.9065, 0.6223, 0.3441 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(189, 33, 0) }
```

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

```
.border{ border-color:rgb(189, 33, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 33, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 33, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9065, 0.6223, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 33, 0) }
```

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

```
.background{ background-color: rgb(189, 33,  
0) }
```

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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