

Converting Colors

$Y_{xy}(11.6592, 0.5653, 0.3072)$

Have a look what the booklet for
Yxy(11.6592, 0.5653, 0.3072)
contains.

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Color

Yxy(11.6532, 0.5647, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	BA1E38
RGB	186, 30, 56
RGB Percent	73%, 12%, 22%
CMY	0.2706, 0.8823, 0.7803
CMYK	0.00, 0.84, 0.70, 0.27
HSL	350°, 72%, 42%
HSV	350°, 84%, 73%
XYZ	21.4281, 11.6532, 4.8647
YIQ	79.6080, 84.6300, 41.1580

Conversions

Conversions Part 2

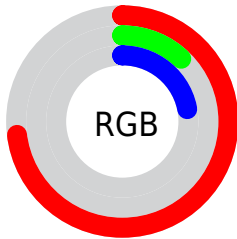
Format	Color
R _Y B	186, 30, 56
Decimal	12197432
CIE Lab	40.66, 60.09, 26.72
CIE LCh	41, 65.763, 23.974
Yxy	11.6532, 0.5647, 0.3071
Android (android.graphics.Color)	4290387512 (0xFFBA1E38)
YUV	79.6080, -11.6387, 93.3058
Hunter-Lab	34.1368, 52.3073, 15.4466

Details

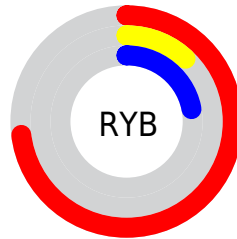
The Yxy color **11.6532, 0.5647, 0.3071** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **37.9308, 0.2404, 0.3731**, and the grayscale version is **7.9547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9477, 0.5025, 0.3202**, and **4.3917, 0.6212, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **10.8447, 0.5991, 0.3128**, and if you desaturate by 10%, it is **13.0650, 0.5237, 0.3043**.

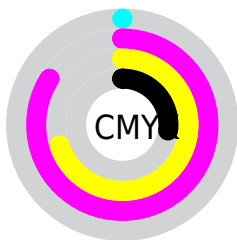
Distribution



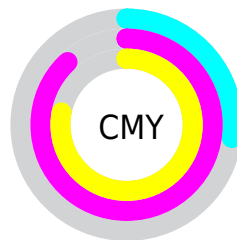
- Red (73%)
- Green (12%)
- Blue (22%)



- Red (73%)
- Yellow (12%)
- Blue (22%)



- Cyan (0%)
- Magenta (84%)
- Yellow (70%)
- Black (27%)




- Cyan (27%)
- Magenta (88%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6532, 0.5647, 0.3071 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 11.6532, 0.5647, 0.3071 by changing the saturation by 10% instead.


 11.6532, 0.5647,
0.3071


 11.6532, 0.5647,
0.3071


202.0957, 0.4123,
0.3304


 6.5080, 0.6112,
0.2935


 28.8619, 0.5026,
0.3203

 3.1564, 0.6762,
0.2705

 41.6942, 0.4812,
0.3236

 1.2139, 0.7705,
0.2295

 57.8576, 0.4640,
0.3259

 0.0730, 0.9598,
0.0402

 77.7365, 0.4499,
0.3275

 0.0000, 1.0000,
0.0000

 101.7154, 0.4382,
0.3286

 0.0000, 0.0000,
0.0000

 130.1787, 0.4282,

0.3294

163.5106, 0.4197,
0.3299

■ 11.6532, 0.5647,
0.3071

■ 11.6532, 0.5647,
0.3071

■ 10.8447, 0.5991,
0.3128

■ 13.0650, 0.5237,
0.3043

■ 10.5379, 0.6158,
0.3166

■ 15.1671, 0.4813,
0.3043

■ 18.0344, 0.4417,
0.3065

■ 21.7314, 0.4068,
0.3101

■ 26.3158, 0.3775,
0.3144

■ 31.8403, 0.3534,
0.3189

■ 38.3532, 0.3338,
0.3233

■ 45.8997, 0.3180,
0.3275

■ 54.5221, 0.3052,
0.3313

Harmonies

Analogous

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



11.6532, 0.4532, 0.2340



11.6532, 0.5647, 0.3071



11.6532, 0.5726, 0.3876

Triad

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



11.6532, 0.5647, 0.3071



11.6532, 0.2684, 0.5900



11.6532, 0.1257, 0.1441

Complementary

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



11.6532, 0.5647, 0.3071



37.9308, 0.2404, 0.3731

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.



11.6532, 0.1016, 0.1793



11.6532, 0.5647, 0.3071



11.6532, 0.1661, 0.4450

Square

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



11.6532, 0.5647, 0.3071



11.6532, 0.3878, 0.5775



11.6532, 0.1114, 0.2735



11.6532, 0.1885, 0.1452

Rectangle

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



11.6532, 0.5647, 0.3071



11.6532, 0.5309, 0.4505



11.6532, 0.1114, 0.2735



11.6532, 0.1139, 0.1511

Sweetspot

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



11.6539, 0.5647, 0.3071



56.0459, 0.3568, 0.3182



11.6829, 0.2826, 0.1417



11.5407, 0.3651, 0.3166



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.



11.6539, 0.5647, 0.3071



19.0774, 0.6188, 0.3183



16.1838, 0.5469, 0.3797



9.0360, 0.3262, 0.3252



7.0974, 0.6131, 0.3151



0.2578, 0.5492, 0.2799

Inverse Universe

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



11.6539, 0.5647, 0.3071



19.0774, 0.6188, 0.3183



21.6000, 0.2042, 0.2412



9.0360, 0.3262, 0.3252



7.0974, 0.6131, 0.3151



0.2578, 0.5492, 0.2799

Previews

White Background



This preview shows how the Yxy color 11.6532, 0.5647, 0.3071 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 11.6532, 0.5647, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

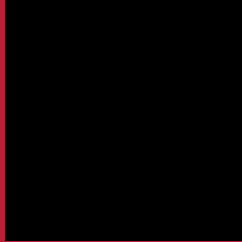
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6532, 0.5647, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 11.6532, 0.5647, 0.3071.

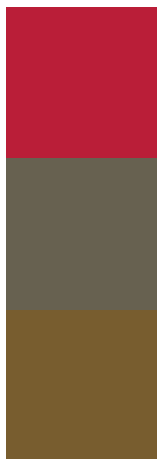


This preview shows how white text looks on a background with the Yxy color 11.6532, 0.5647, 0.3071.

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

11.6532, 0.5647, 0.3071

Protanopia

12.0121, 0.3467, 0.3680

Deuteranopia

12.0270, 0.4261, 0.4210



Tritanopia

11.6318, 0.5939, 0.3306

Trichromacy



Original Color

11.6532, 0.5647, 0.3071

Protanomaly

10.2066, 0.4306, 0.3332

Deuteranomaly

10.5399, 0.4902, 0.3621

Tritanomaly

11.5692, 0.5848, 0.3226

Monochromacy



Original Color

11.6532, 0.5647, 0.3071

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.8221, 0.4152, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6532, 0.5647, 0.3071 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(186, 30, 56)` looks like.

```
.text, #text, p{  
    color:rgb(186, 30, 56)  
}
```

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(186, 30, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 30, 56) }
```

Border

The CSS property to change the border of an element to Yxy 11.6532, 0.5647, 0.3071 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(186, 30, 56) }
```

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

```
.border{ border-color:rgb(186, 30, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 30, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 30, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 30, 56);  
box-shadow:4px 4px 4px 4px rgb(186, 30,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6532, 0.5647, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 30, 56) }
```

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

```
.background{ background-color: rgb(186, 30,  
56) }
```

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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