

Converting Colors

$Y_{xy}(12.0797, 0.5646, 0.2985)$

Have a look what the booklet for
Yxy(12.0797, 0.5646, 0.2985)
contains.

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Color

Yxy(12.0797, 0.5646, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	C0153D
RGB	192, 21, 61
RGB Percent	75%, 8%, 24%
CMY	0.2471, 0.9175, 0.7608
CMYK	0.00, 0.89, 0.68, 0.25
HSL	346°, 80%, 42%
HSV	346°, 89%, 75%
XYZ	22.8482, 12.0797, 5.5401
YIQ	76.6890, 89.0760, 48.6920

Conversions

Conversions Part 2

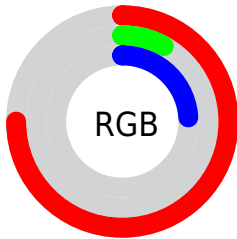
Format	Color
R_{YB}	192, 21, 61
Decimal	12588349
CIE Lab	41.34, 63.72, 24.76
CIE LCh	41, 68.365, 21.230
Yxy	12.0797, 0.5646, 0.2985
Android (android.graphics.Color)	4290778429 (0xFFC0153D)
YUV	76.6890, -7.7347, 101.1277
Hunter-Lab	34.7559, 56.5218, 14.8783

Details

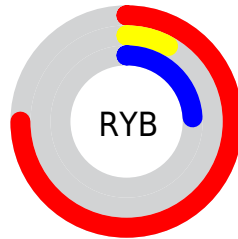
The Yxy color **12.0797, 0.5646, 0.2985** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **40.1269, 0.2456, 0.3968**, and the grayscale version is **7.3656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6550, 0.5029, 0.3133**, and **4.7963, 0.6130, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **11.4454, 0.5959, 0.3064**, and if you desaturate by 10%, it is **13.2569, 0.5272, 0.2937**.

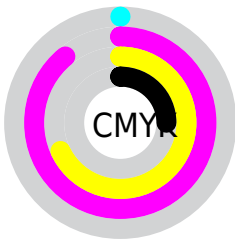
Distribution



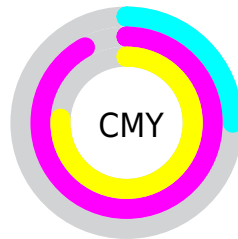
- Red (75%)
- Green (8%)
- Blue (24%)



- Red (75%)
- Yellow (8%)
- Blue (24%)



- Cyan (0%)
- Magenta (89%)
- Yellow (68%)
- Black (25%)




- Cyan (25%)
- Magenta (92%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0797, 0.5646, 0.2985 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 12.0797, 0.5646, 0.2985 by changing the saturation by 10% instead.


 12.0797, 0.5646,
0.2985

 12.0797, 0.5646,
0.2985


204.9322, 0.4129,
0.3261

 6.7980, 0.6109,
0.2844


 29.6402, 0.5029,
0.3130


 3.3361, 0.6737,
0.2606

 42.6877, 0.4816,
0.3170

 1.3096, 0.7766,
0.2234

 59.0927, 0.4645,
0.3198

 0.1486, 0.9314,
0.0686

 79.2394, 0.4504,
0.3218

 0.0000, 1.0000,
0.0000

 103.5123, 0.4387,
0.3233

 0.0000, 0.0000,
0.0000

 132.2959, 0.4288,

0.3245

165.9744, 0.4203,
0.3254

■ 12.0797, 0.5646,
0.2985

■ 12.0797, 0.5646,
0.2985

■ 11.4454, 0.5959,
0.3064

■ 13.2569, 0.5272,
0.2937

■ 11.3948, 0.5986,
0.3071

■ 15.1236, 0.4875,
0.2927

■ 17.7672, 0.4493,
0.2950

■ 21.2616, 0.4151,
0.2995

■ 25.6719, 0.3857,
0.3052

■ 31.0571, 0.3612,
0.3115

■ 37.4710, 0.3411,
0.3178

■ 44.9634, 0.3248,
0.3238

■ 53.5812, 0.3116,
0.3295

Harmonies

Analogous

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



12.0797, 0.4427, 0.2256



12.0797, 0.5646, 0.2985



12.0797, 0.5811, 0.3786

Triad

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



12.0797, 0.5646, 0.2985



12.0797, 0.2768, 0.6035



12.0797, 0.1188, 0.1423

Complementary

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



12.0797, 0.5646, 0.2985



40.1269, 0.2456, 0.3968

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.



12.0797, 0.0975, 0.1816



12.0797, 0.5646, 0.2985



12.0797, 0.1701, 0.4664

Square

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



12.0797, 0.5646, 0.2985



12.0797, 0.3989, 0.5760



12.0797, 0.1105, 0.2843



12.0797, 0.1780, 0.1407

Rectangle

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



12.0797, 0.5646, 0.2985



12.0797, 0.5418, 0.4414



12.0797, 0.1105, 0.2843



12.0797, 0.1080, 0.1503

Sweetspot

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



12.0804, 0.5646, 0.2985



58.0228, 0.3577, 0.3125



10.7568, 0.2653, 0.1284



11.6616, 0.3653, 0.3103



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.



12.0804, 0.5646, 0.2985



20.6151, 0.6022, 0.3091



14.9016, 0.5788, 0.3640



10.1156, 0.3253, 0.3236



7.6778, 0.5956, 0.3054



0.3428, 0.5309, 0.2698

Inverse Universe

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



12.0804, 0.5646, 0.2985



20.6151, 0.6022, 0.3091



25.5415, 0.2064, 0.2558



10.1156, 0.3253, 0.3236



7.6778, 0.5956, 0.3054



0.3428, 0.5309, 0.2698

Previews

White Background



This preview shows how the Yxy color 12.0797, 0.5646, 0.2985 looks on a white background.

Color Contrast Check

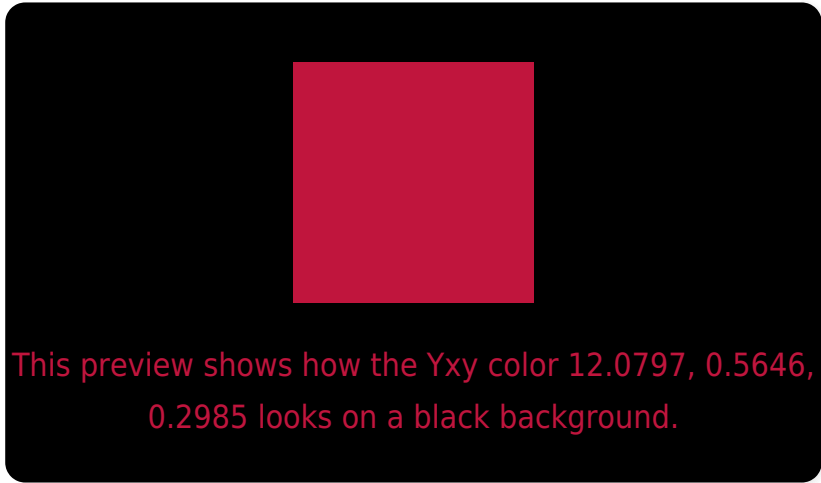
Large Text (above 18pt) WCAG AA ✓ Pass

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

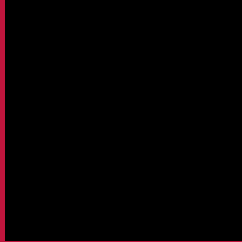
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0797, 0.5646, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 12.0797, 0.5646, 0.2985.



This preview shows how white text looks on a background with the Yxy color 12.0797, 0.5646, 0.2985.

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

12.0797, 0.5646, 0.2985

Protanopia

12.5118, 0.3342, 0.3539

Deuteranopia

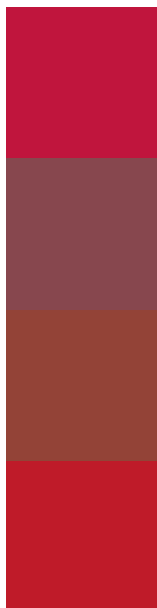
12.3183, 0.4198, 0.4135



Tritanopia

12.1450, 0.6052, 0.3311

Trichromacy



Original Color

12.0797, 0.5646, 0.2985

Protanomaly

10.2074, 0.4218, 0.3161

Deuteranomaly

10.4932, 0.4896, 0.3488

Tritanomaly

12.0203, 0.5934, 0.3202

Monochromacy



Original Color

12.0797, 0.5646, 0.2985

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.3031, 0.4193, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0797, 0.5646, 0.2985 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(192, 21, 61)` looks like.

```
.text, #text, p{  
    color:rgb(192, 21, 61)  
}
```

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(192, 21, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 21, 61) }
```

Border

The CSS property to change the border of an element to Yxy 12.0797, 0.5646, 0.2985 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(192, 21, 61) }
```

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

```
.border{ border-color:rgb(192, 21, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 21, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 21, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 21, 61);  
box-shadow:4px 4px 4px 4px rgb(192, 21,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0797, 0.5646, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 21, 61) }
```

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

```
.background{ background-color: rgb(192, 21,  
61) }
```

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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