

Converting Colors

$Y_{xy}(12.7737, 0.5679, 0.3168)$

Have a look what the booklet for
Yxy(12.7737, 0.5679, 0.3168)
contains.

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Color

Yxy(12.7196, 0.5682, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	BF2635
RGB	191, 38, 53
RGB Percent	75%, 15%, 21%
CMY	0.2510, 0.8509, 0.7921
CMYK	0.00, 0.80, 0.72, 0.25
HSL	354°, 67%, 45%
HSV	354°, 80%, 75%
XYZ	22.8206, 12.7196, 4.6228
YIQ	85.4570, 86.3730, 37.1010

Conversions

Conversions Part 2

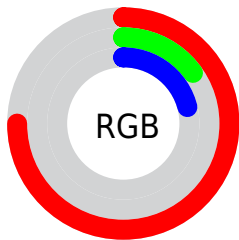
Format	Color
R_{YB}	191, 38, 53
Decimal	12527157
CIE _{Lab}	42.34, 59.31, 30.81
CIE _{LCh}	42, 66.835, 27.451
Yxy	12.7196, 0.5682, 0.3167
Android (android.graphics.Color)	4290717237 (0xFFBF2635)
YUV	85.4570, -16.0013, 92.5612
Hunter-Lab	35.6645, 51.8033, 17.2802

Details

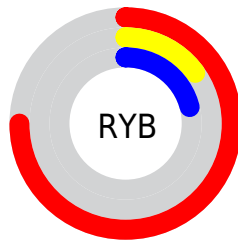
The Yxy color **12.7196, 0.5682, 0.3167** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **40.8053, 0.2359, 0.3530**, and the grayscale version is **9.2089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7263, 0.5071, 0.3278**, and **4.6890, 0.6277, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **11.6647, 0.6046, 0.3201**, and if you desaturate by 10%, it is **14.4592, 0.5245, 0.3151**.

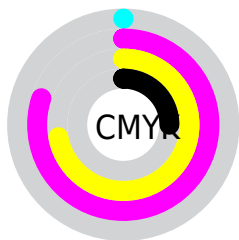
Distribution



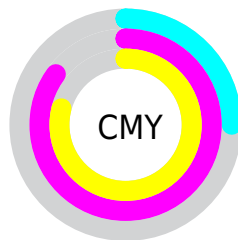
- Red (75%)
- Green (15%)
- Blue (21%)



- Red (75%)
- Yellow (15%)
- Blue (21%)



- Cyan (0%)
- Magenta (80%)
- Yellow (72%)
- Black (25%)





- Cyan (25%)
- Magenta (85%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7196, 0.5682, 0.3167 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 12.7196, 0.5682, 0.3167 by changing the saturation by 10% instead.


 12.7196, 0.5682,
0.3167


 12.7196, 0.5682,
0.3167


209.1127, 0.4160,
0.3354


 7.2357, 0.6129,
0.3042


 30.7991, 0.5072,
0.3284


 3.6100, 0.6749,
0.2829

 44.1635, 0.4859,
0.3311

 1.4579, 0.7571,
0.2429

 60.9236, 0.4686,
0.3328

 0.2588, 0.8861,
0.1139

 81.4638, 0.4543,
0.3339

 0.0000, 1.0000,
0.0000

 106.1684, 0.4424,
0.3346

 0.0000, 0.0000,
0.0000

 135.4218, 0.4323,

0.3351

169.6084, 0.4236,
0.3353

■ 12.7196, 0.5682,
0.3167

■ 12.7196, 0.5682,
0.3167

■ 11.6647, 0.6046,
0.3201

■ 14.4592, 0.5245,
0.3151

■ 11.1214, 0.6291,
0.3239

■ 16.9709, 0.4797,
0.3153

■ 20.3317, 0.4383,
0.3167

■ 24.6086, 0.4025,
0.3189

■ 29.8619, 0.3726,
0.3214

■ 36.1468, 0.3483,
0.3241

■ 43.5143, 0.3286,
0.3266

■ 52.0121, 0.3128,
0.3290

■ 61.6849, 0.3001,
0.3312

Harmonies

Analogous

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



12.7196, 0.4682, 0.2430



12.7196, 0.5682, 0.3167



12.7196, 0.5650, 0.3981

Triad

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



12.7196, 0.5682, 0.3167



12.7196, 0.2563, 0.5771



12.7196, 0.1323, 0.1443

Complementary

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



12.7196, 0.5682, 0.3167



40.8053, 0.2359, 0.3530

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.



12.7196, 0.1044, 0.1744



12.7196, 0.5682, 0.3167



12.7196, 0.1588, 0.4216

Square

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



12.7196, 0.5682, 0.3167



12.7196, 0.3739, 0.5823



12.7196, 0.1101, 0.2597



12.7196, 0.2001, 0.1488

Rectangle

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



12.7196, 0.5682, 0.3167



12.7196, 0.5190, 0.4614



12.7196, 0.1101, 0.2597



12.7196, 0.1191, 0.1498

Sweetspot

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



12.7204, 0.5682, 0.3167



59.6846, 0.3581, 0.3229



14.3437, 0.3008, 0.1545



12.2309, 0.3670, 0.3220



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.



12.7204, 0.5682, 0.3167



20.1634, 0.6236, 0.3235



20.1793, 0.5176, 0.3969



9.5512, 0.3273, 0.3268



7.3152, 0.6271, 0.3228



0.2917, 0.5849, 0.2996

Inverse Universe

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



12.7204, 0.5682, 0.3167



20.1634, 0.6236, 0.3235



20.0873, 0.2008, 0.2221



9.5512, 0.3273, 0.3268



7.3152, 0.6271, 0.3228



0.2917, 0.5849, 0.2996

Previews

White Background



This preview shows how the Yxy color 12.7196, 0.5682, 0.3167 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 12.7196, 0.5682, 0.3167 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 12.7196, 0.5682, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 12.7196, 0.5682, 0.3167.



This preview shows how white text looks on a background with the Yxy color 12.7196, 0.5682, 0.3167.

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

12.7196, 0.5682, 0.3167

Protanopia

12.9899, 0.3614, 0.3888

Deuteranopia

12.9076, 0.4338, 0.4276



Tritanopia

12.7540, 0.5842, 0.3290

Trichromacy



Original Color

12.7196, 0.5682, 0.3167

Protanomaly

11.2454, 0.4432, 0.3513

Deuteranomaly

11.6270, 0.4948, 0.3730

Tritanomaly

12.7169, 0.5795, 0.3249

Monochromacy



Original Color

12.7196, 0.5682, 0.3167

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.9004, 0.4152, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7196, 0.5682, 0.3167 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(191, 38, 53)` looks like.

```
.text, #text, p{  
    color:rgb(191, 38, 53)  
}
```

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(191, 38, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 38, 53) }
```

Border

The CSS property to change the border of an element to Yxy 12.7196, 0.5682, 0.3167 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(191, 38, 53) }
```

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

```
.border{ border-color:rgb(191, 38, 53) }
```

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

Here you see how a box with a 4 pixel rgb(191, 38, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 38, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 38, 53);  
box-shadow:4px 4px 4px 4px rgb(191, 38,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7196, 0.5682, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 38, 53) }
```

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

```
.background{ background-color: rgb(191, 38,  
53) }
```

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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