

Converting Colors

$Y_{xy}(12.2528, 0.5536, 0.3084)$

Have a look what the booklet for
Yxy(12.2528, 0.5536, 0.3084)
contains.

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Color

Yxy(12.2773, 0.5533, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	BB263C
RGB	187, 38, 60
RGB Percent	73%, 15%, 24%
CMY	0.2666, 0.8511, 0.7646
CMYK	0.00, 0.80, 0.68, 0.27
HSL	351°, 66%, 44%
HSV	351°, 80%, 73%
XYZ	22.0053, 12.2773, 5.4884
YIQ	85.0590, 81.7420, 38.4300

Conversions

Conversions Part 2

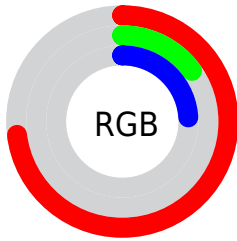
Format	Color
RYB	187, 38, 60
Decimal	12265020
CIELab	41.65, 58.51, 25.52
CIElCh	42, 63.837, 23.566
Yxy	12.2773, 0.5533, 0.3087
Android (android.graphics.Color)	4290455100 (0xFFBB263C)
YUV	85.0590, -12.3541, 89.4023
Hunter-Lab	35.0390, 50.7839, 15.2403

Details

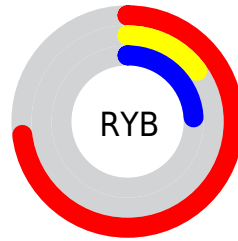
The Yxy color **12.2773, 0.5533, 0.3087** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **38.6735, 0.2398, 0.3657**, and the grayscale version is **9.1097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9366, 0.4941, 0.3209**, and **4.4826, 0.6131, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **11.2243, 0.5910, 0.3130**, and if you desaturate by 10%, it is **13.9827, 0.5105, 0.3071**.

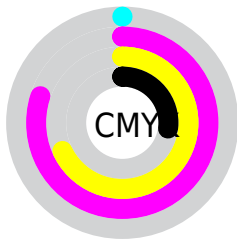
Distribution



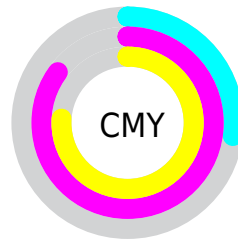
- Red (73%)
- Green (15%)
- Blue (24%)



- Red (73%)
- Yellow (15%)
- Blue (24%)



- Cyan (0%)
- Magenta (80%)
- Yellow (68%)
- Black (27%)




- Cyan (27%)
- Magenta (85%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2773, 0.5533, 0.3087 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 12.2773, 0.5533, 0.3087 by changing the saturation by 10% instead.


 12.2773, 0.5533,
0.3087


 12.2773, 0.5533,
0.3087


206.2325, 0.4083,
0.3300


 6.9328, 0.5978,
0.2965


 29.9992, 0.4942,
0.3207


 3.4201, 0.6585,
0.2751

 43.1453, 0.4739,
0.3237


 1.3548, 0.7590,
0.2410

 59.6608, 0.4576,
0.3258

 0.1831, 0.9102,
0.0898

 79.9301, 0.4442,
0.3272

 0.0000, 1.0000,
0.0000

 104.3375, 0.4330,
0.3283

 0.0000, 0.0000,
0.0000

 133.2675, 0.4235,

0.3290

167.1043, 0.4154,
0.3296

■ 12.2773, 0.5533,
0.3087

■ 12.2773, 0.5533,
0.3087

■ 11.2243, 0.5910,
0.3130

■ 13.9827, 0.5105,
0.3071

■ 10.6636, 0.6192,
0.3188

■ 16.4218, 0.4680,
0.3079

■ 10.6487, 0.6200,
0.3189

■ 19.6662, 0.4293,
0.3103

■ 23.7786, 0.3959,
0.3138

■ 28.8152, 0.3681,
0.3177

■ 34.8278, 0.3455,
0.3217

■ 41.8640, 0.3271,
0.3255

■ 49.9686, 0.3123,
0.3291

■ 59.1835, 0.3003,
0.3324

Harmonies

Analogous

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



12.2773, 0.4454, 0.2369



12.2773, 0.5533, 0.3087



12.2773, 0.5644, 0.3879

Triad

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



12.2773, 0.5533, 0.3087



12.2773, 0.2739, 0.5773



12.2773, 0.1308, 0.1502

Complementary

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



12.2773, 0.5533, 0.3087



38.6735, 0.2398, 0.3657

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.



12.2773, 0.1076, 0.1860



12.2773, 0.5533, 0.3087



12.2773, 0.1735, 0.4419

Square

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



12.2773, 0.5533, 0.3087



12.2773, 0.3896, 0.5674



12.2773, 0.1184, 0.2789



12.2773, 0.1919, 0.1506

Rectangle

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



12.2773, 0.5533, 0.3087



12.2773, 0.5253, 0.4477



12.2773, 0.1184, 0.2789



12.2773, 0.1193, 0.1574

Sweetspot

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



12.2780, 0.5533, 0.3087



57.0855, 0.3555, 0.3198



12.9362, 0.2912, 0.1500



11.7431, 0.3639, 0.3184



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.



12.2780, 0.5533, 0.3087



19.3144, 0.6136, 0.3180



18.0427, 0.5263, 0.3873



9.5588, 0.3266, 0.3256



7.3427, 0.6177, 0.3176



0.2951, 0.5614, 0.2866

Inverse Universe

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



12.2780, 0.5533, 0.3087



19.3144, 0.6136, 0.3180



21.2869, 0.2049, 0.2369



9.5588, 0.3266, 0.3256



7.3427, 0.6177, 0.3176



0.2951, 0.5614, 0.2866

Previews

White Background



This preview shows how the Yxy color 12.2773, 0.5533, 0.3087 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 12.2773, 0.5533, 0.3087 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 12.2773, 0.5533, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 12.2773, 0.5533, 0.3087.



This preview shows how white text looks on a background with the Yxy color 12.2773, 0.5533, 0.3087.

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

12.2773, 0.5533, 0.3087

Protanopia

12.5515, 0.3446, 0.3651

Deuteranopia

12.5699, 0.4202, 0.4147



Tritanopia

12.2622, 0.5781, 0.3298

Trichromacy



Original Color

12.2773, 0.5533, 0.3087

Protanomaly

10.9667, 0.4227, 0.3331

Deuteranomaly

11.2844, 0.4793, 0.3608

Tritanomaly

12.2467, 0.5687, 0.3225

Monochromacy



Original Color

12.2773, 0.5533, 0.3087

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.7936, 0.4052, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2773, 0.5533, 0.3087 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(187, 38, 60)` looks like.

```
.text, #text, p{  
    color:rgb(187, 38, 60)  
}
```

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(187, 38, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 38, 60) }
```

Border

The CSS property to change the border of an element to Yxy 12.2773, 0.5533, 0.3087 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(187, 38, 60) }
```

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

```
.border{ border-color:rgb(187, 38, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 38, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 38, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 38, 60);  
box-shadow:4px 4px 4px 4px rgb(187, 38,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2773, 0.5533, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 38, 60) }
```

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

```
.background{ background-color: rgb(187, 38,  
60) }
```

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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