

Converting Colors

$Y_{xy}(12.8252, 0.5606, 0.3221)$

Have a look what the booklet for
Yxy(12.8252, 0.5606, 0.3221)
contains.

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Color

Yxy(12.8252, 0.5606, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	BC2D35
RGB	188, 45, 53
RGB Percent	74%, 18%, 21%
CMY	0.2627, 0.8235, 0.7920
CMYK	0.00, 0.76, 0.72, 0.26
HSL	357°, 61%, 46%
HSV	357°, 76%, 74%
XYZ	22.3217, 12.8252, 4.6706
YIQ	88.6690, 82.6600, 32.8040

Conversions

Conversions Part 2

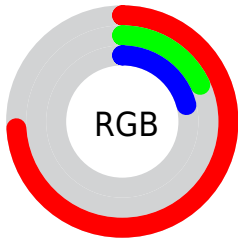
Format	Color
RYB	188, 45, 53
Decimal	12332341
CIELab	42.50, 56.33, 30.85
CIELCh	42, 64.228, 28.705
Yxy	12.8252, 0.5606, 0.3221
Android (android.graphics.Color)	4290522421 (0xFFBC2D35)
YUV	88.6690, -17.5848, 87.1133
Hunter-Lab	35.8123, 48.5869, 17.3361

Details

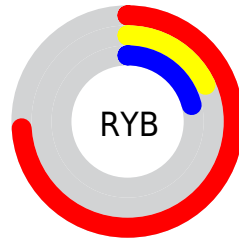
The Yxy color **12.8252, 0.5606, 0.3221** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **39.8209, 0.2343, 0.3417**, and the grayscale version is **9.9396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1298, 0.5011, 0.3324**, and **4.5339, 0.6273, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **11.5627, 0.6001, 0.3239**, and if you desaturate by 10%, it is **14.7882, 0.5149, 0.3214**.

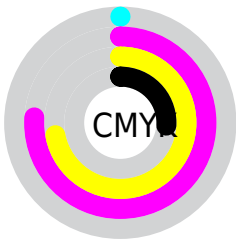
Distribution



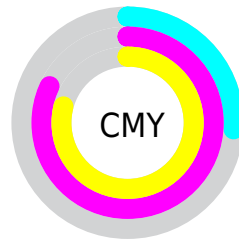
- Red (74%)
- Green (18%)
- Blue (21%)



- Red (74%)
- Yellow (18%)
- Blue (21%)



- Cyan (0%)
- Magenta (76%)
- Yellow (72%)
- Black (26%)





- Cyan (26%)
- Magenta (82%)
- Yellow (79%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8252, 0.5606, 0.3221 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 12.8252, 0.5606, 0.3221 by changing the saturation by 10% instead.


 12.8252, 0.5606,
0.3221

 12.8252, 0.5606,
0.3221


209.7943, 0.4129,
0.3373


 7.3083, 0.6042,
0.3107


 30.9894, 0.5013,
0.3323


 3.6556, 0.6648,
0.2910

 44.4055, 0.4806,
0.3345

 1.4829, 0.7468,
0.2532

 61.2234, 0.4638,
0.3358

 0.2766, 0.8738,
0.1262

 81.8275, 0.4500,
0.3366

 0.0000, 1.0000,
0.0000

 106.6023, 0.4384,
0.3370

 0.0000, 0.0000,
0.0000

 135.9321, 0.4286,

0.3372

170.2013, 0.4202,
0.3373

■ 12.8252, 0.5606,
0.3221

■ 12.8252, 0.5606,
0.3221

■ 11.5627, 0.6001,
0.3239

■ 14.7882, 0.5149,
0.3214

■ 10.8948, 0.6270,
0.3264

■ 17.5306, 0.4695,
0.3217

■ 10.7152, 0.6343,
0.3268

■ 21.1233, 0.4284,
0.3226

■ 25.6286, 0.3933,
0.3239

■ 31.1030, 0.3644,
0.3253

■ 37.5985, 0.3410,
0.3268

■ 45.1632, 0.3222,
0.3282

■ 53.8423, 0.3072,
0.3295

■ 63.6783, 0.2950,
0.3307

Harmonies

Analogous

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



12.8252, 0.4677, 0.2491



12.8252, 0.5606, 0.3221



12.8252, 0.5557, 0.4027

Triad

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



12.8252, 0.5606, 0.3221



12.8252, 0.2555, 0.5613



12.8252, 0.1393, 0.1491

Complementary

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



12.8252, 0.5606, 0.3221



39.8209, 0.2343, 0.3417

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.



12.8252, 0.1103, 0.1776



12.8252, 0.5606, 0.3221



12.8252, 0.1616, 0.4105

Square

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



12.8252, 0.5606, 0.3221



12.8252, 0.3701, 0.5760



12.8252, 0.1150, 0.2584



12.8252, 0.2078, 0.1547

Rectangle

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



12.8252, 0.5606, 0.3221



12.8252, 0.5102, 0.4638



12.8252, 0.1150, 0.2584



12.8252, 0.1257, 0.1543

Sweetspot

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



12.8260, 0.5606, 0.3221



59.3459, 0.3576, 0.3257



15.0285, 0.3080, 0.1625



11.9064, 0.3668, 0.3252



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.



12.8260, 0.5606, 0.3221



20.0702, 0.6191, 0.3255



21.3902, 0.4987, 0.4030



9.5448, 0.3280, 0.3277



7.2987, 0.6330, 0.3261



0.2889, 0.6069, 0.3117

Inverse Universe

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



12.8260, 0.5606, 0.3221



20.0702, 0.6191, 0.3255



19.1197, 0.2024, 0.2195



9.5448, 0.3280, 0.3277



7.2987, 0.6330, 0.3261



0.2889, 0.6069, 0.3117

Previews

White Background



This preview shows how the Yxy color 12.8252, 0.5606, 0.3221 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 12.8252, 0.5606, 0.3221 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 12.8252, 0.5606, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 12.8252, 0.5606, 0.3221.



This preview shows how white text looks on a background with the Yxy color 12.8252, 0.5606, 0.3221.

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

12.8252, 0.5606, 0.3221

Protanopia

13.0265, 0.3658, 0.3928

Deuteranopia

12.9832, 0.4354, 0.4269



Tritanopia

12.8506, 0.5688, 0.3288

Trichromacy



Original Color

12.8252, 0.5606, 0.3221

Protanomaly

11.6698, 0.4418, 0.3586

Deuteranomaly

11.9026, 0.4920, 0.3763

Tritanomaly

12.8671, 0.5659, 0.3270

Monochromacy



Original Color

12.8252, 0.5606, 0.3221

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.6469, 0.4068, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8252, 0.5606, 0.3221 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(188, 45, 53)` looks like.

```
.text, #text, p{  
    color:rgb(188, 45, 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(188, 45, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 45, 53) }
```

Border

The CSS property to change the border of an element to Yxy 12.8252, 0.5606, 0.3221 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(188, 45, 53) }
```

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

```
.border{ border-color:rgb(188, 45, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 45, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 45, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 45, 53);  
box-shadow:4px 4px 4px 4px rgb(188, 45,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8252, 0.5606, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 45, 53) }
```

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

```
.background{ background-color: rgb(188, 45,  
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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