

Converting Colors

$Y_{xy}(12.1705, 0.5985, 0.3364)$

Have a look what the booklet for
Yxy(12.1705, 0.5985, 0.3364)
contains.

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Color

Yxy(12.1663, 0.5983, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	BC261D
RGB	188, 38, 29
RGB Percent	74%, 15%, 11%
CMY	0.2628, 0.8508, 0.8862
CMYK	0.00, 0.80, 0.85, 0.26
HSL	3°, 73%, 43%
HSV	3°, 85%, 74%
XYZ	21.6511, 12.1663, 2.3703
YIQ	81.8240, 92.2890, 29.0010

Conversions

Conversions Part 2

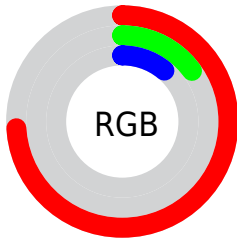
Format	Color
RYB	188, 39, 29
Decimal	12330525
CIELab	41.48, 57.61, 43.26
CIElCh	41, 72.041, 36.903
Yxy	12.1663, 0.5983, 0.3362
Android (android.graphics.Color)	4290520605 (0xFFBC261D)
YUV	81.8240, -26.0422, 93.1164
Hunter-Lab	34.8802, 49.7594, 20.3871

Details

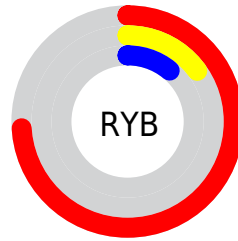
The Yxy color **12.1663, 0.5983, 0.3362** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **36.1120, 0.2234, 0.3140**, and the grayscale version is **8.4444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7528, 0.5348, 0.3483**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.2231, 0.6260, 0.3338**, and if you desaturate by 10%, it is **13.7076, 0.5583, 0.3376**.

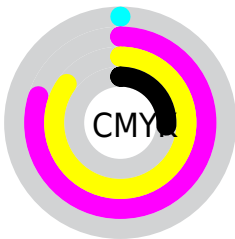
Distribution



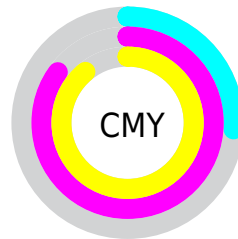
- Red (74%)
- Green (15%)
- Blue (11%)



- Red (74%)
- Yellow (15%)
- Blue (11%)



- Cyan (0%)
- Magenta (80%)
- Yellow (85%)
- Black (26%)





- Cyan (26%)
- Magenta (85%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1663, 0.5983, 0.3362 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 12.1663, 0.5983, 0.3362 by changing the saturation by 10% instead.


 12.1663, 0.5983,
0.3362


 12.1663, 0.5983,
0.3362


205.5032, 0.4318,
0.3502


 6.8570, 0.6426,
0.3213


 29.7976, 0.5341,
0.3486

 3.3729, 0.7035,
0.2965

 42.8885, 0.5107,
0.3507

 1.3293, 0.7574,
0.2426

 59.3420, 0.4915,
0.3517

 0.1638, 0.9160,
0.0840

 79.5425, 0.4755,
0.3519

 0.0000, 1.0000,
0.0000


 103.8745, 0.4619,
0.3518

 0.0000, 0.0000,
0.0000


 132.7224, 0.4504,


0.3514


 166.4705, 0.4405,
0.3508


 12.1663, 0.5983,
0.3362

 12.1663, 0.5983,
0.3362


 11.2231, 0.6260,
0.3338


 13.7076, 0.5583,
0.3376


 10.9213, 0.6361,
0.3332


 15.9215, 0.5125,
0.3379

 18.8740, 0.4673,
0.3372


 22.6227, 0.4264,
0.3360

 27.2195, 0.3914,
0.3344

 32.7119, 0.3626,
0.3328

 39.1439, 0.3391,
0.3312

 46.5565, 0.3201,
0.3297

 54.9885, 0.3048,
0.3283

Harmonies

Analogous

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



12.1663, 0.5267, 0.2590



12.1663, 0.5983, 0.3362



12.1663, 0.5606, 0.4265

Triad

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



12.1663, 0.5983, 0.3362



12.1663, 0.2109, 0.5646



12.1663, 0.1385, 0.1314

Complementary

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



12.1663, 0.5983, 0.3362



36.1120, 0.2234, 0.3140

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.



12.1663, 0.0983, 0.1488



12.1663, 0.5983, 0.3362



12.1663, 0.1248, 0.3647

Square

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



12.1663, 0.5983, 0.3362



12.1663, 0.3311, 0.6194



12.1663, 0.0923, 0.2147



12.1663, 0.2250, 0.1461

Rectangle

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



12.1663, 0.5983, 0.3362



12.1663, 0.4990, 0.5010



12.1663, 0.0923, 0.2147



12.1663, 0.1208, 0.1333

Sweetspot

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



12.1670, 0.5983, 0.3362



58.3939, 0.3648, 0.3329



14.8652, 0.3313, 0.1674



11.7747, 0.3744, 0.3335



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.



12.1670, 0.5983, 0.3362



19.6882, 0.6371, 0.3323



23.3719, 0.4968, 0.4260



9.6210, 0.3287, 0.3304



7.4742, 0.6351, 0.3339



0.3229, 0.6170, 0.3483

Inverse Universe

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



36.1120, 0.2234, 0.3140



63.6712, 0.2197, 0.3109



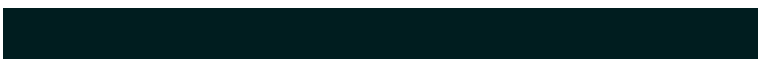
13.1115, 0.1851, 0.1710



10.7141, 0.2985, 0.3276



24.0040, 0.2198, 0.3114



0.9688, 0.2211, 0.3159

Previews

White Background



This preview shows how the Yxy color 12.1663, 0.5983, 0.3362 looks on a white background.

Color Contrast Check

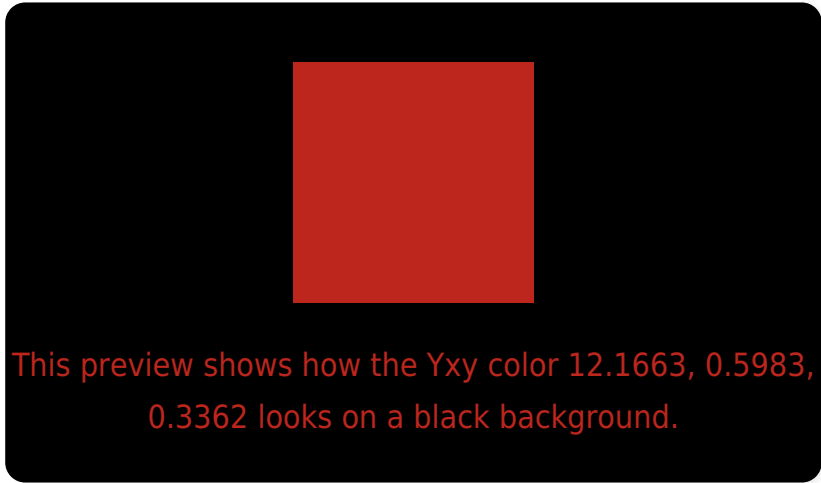
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1663, 0.5983, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 12.1663, 0.5983, 0.3362.



This preview shows how white text looks on a background with the Yxy color 12.1663, 0.5983, 0.3362.

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

12.1663, 0.5983, 0.3362

Protanopia

12.4205, 0.4060, 0.4444

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.1481, 0.5901, 0.3298

Trichromacy



Original Color

12.1663, 0.5983, 0.3362

Protanomaly

10.8575, 0.4881, 0.3925

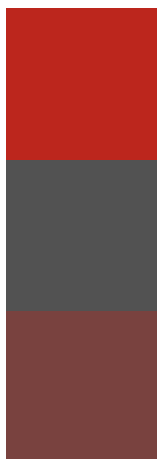
Deuteranomaly

11.2176, 0.5325, 0.4058

Tritanomaly

12.1300, 0.5937, 0.3320

Monochromacy



Original Color

12.1663, 0.5983, 0.3362

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.3203, 0.4328, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1663, 0.5983, 0.3362 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, 38, 29)` looks like.

```
.text, #text, p{  
    color:rgb(188, 38, 29)  
}
```

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, 38, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 38, 29) }
```

Border

The CSS property to change the border of an element to Yxy 12.1663, 0.5983, 0.3362 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, 38, 29) }
```

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

```
.border{ border-color:rgb(188, 38, 29) }
```

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

Here you see how a box with a 4 pixel rgb(188, 38, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 38, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 38, 29);  
box-shadow:4px 4px 4px 4px rgb(188, 38,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1663, 0.5983, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 38, 29) }
```

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

```
.background{ background-color: rgb(188, 38,  
29) }
```

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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