

Converting Colors

$Yxy(12.6341, 0.6045, 0.3126)$

Have a look what the booklet for
Yxy(12.6341, 0.6045, 0.3126)
contains.

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Color

Yxy(12.5551, 0.6046, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	C8052A
RGB	200, 5, 42
RGB Percent	78%, 2%, 16%
CMY	0.2157, 0.9801, 0.8354
CMYK	0.00, 0.97, 0.79, 0.22
HSL	349°, 95%, 40%
HSV	349°, 97%, 78%
XYZ	24.2906, 12.5551, 3.3306
YIQ	67.5230, 104.3430, 52.8470

Conversions

Conversions Part 2

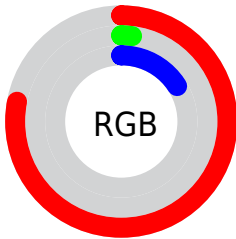
Format	Color
RYB	200, 5, 42
Decimal	13108522
CIELab	42.09, 66.93, 37.60
CIElCh	42, 76.770, 29.324
Yxy	12.5551, 0.6046, 0.3125
Android (android.graphics.Color)	4291298602 (0xFFC8052A)
YUV	67.5230, -12.5828, 116.1823
Hunter-Lab	35.4332, 60.3595, 19.2301

Details

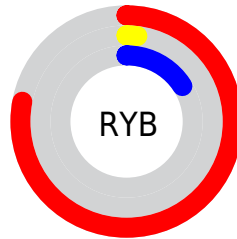
The Yxy color **12.5551, 0.6046, 0.3125** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **43.9875, 0.2418, 0.3890**, and the grayscale version is **5.7143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6202, 0.5309, 0.3280**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.4179, 0.6114, 0.3141**, and if you desaturate by 10%, it is **13.2845, 0.5733, 0.3054**.

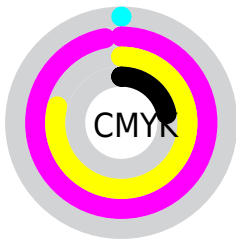
Distribution



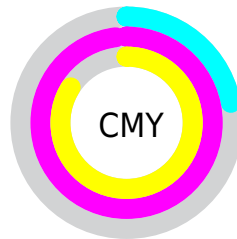
- Red (78%)
- Green (2%)
- Blue (16%)



- Red (78%)
- Yellow (2%)
- Blue (16%)



- Cyan (0%)
- Magenta (97%)
- Yellow (79%)
- Black (22%)





- Cyan (22%)
- Magenta (98%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5551, 0.6046, 0.3125 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 12.5551, 0.6046, 0.3125 by changing the saturation by 10% instead.


 12.5551, 0.6046,
0.3125


 12.5551, 0.6046,
0.3125

208.0463, 0.4335,
0.3382

 7.1229, 0.6514,
0.2960


 30.5022, 0.5378,
0.3284


 3.5391, 0.7243,
0.2731

 43.7858, 0.5138,
0.3321


 1.4192, 0.7807,
0.2193

 60.4554, 0.4942,
0.3345

 0.2308, 0.9092,
0.0908

 80.8953, 0.4778,
0.3361

 0.0000, 1.0000,
0.0000

 105.4900, 0.4641,
0.3370

 0.0000, 0.0000,
0.0000

 134.6238, 0.4524,

0.3376

168.6811, 0.4423,
0.3380

12.5551, 0.6046,
0.3125

12.5551, 0.6046,
0.3125

12.4179, 0.6114,
0.3141

13.2845, 0.5733,
0.3054

14.6608, 0.5343,
0.3012

16.8161, 0.4926,
0.3003

19.8446, 0.4524,
0.3021

23.8271, 0.4165,
0.3058

■ 28.8350, 0.3859,
0.3105

■ 34.9328, 0.3605,
0.3156

■ 42.1799, 0.3398,
0.3207

■ 50.6314, 0.3231,
0.3256

Harmonies

Analogous

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



12.5551, 0.5002, 0.2359



12.5551, 0.6046, 0.3125



12.5551, 0.5865, 0.3990

Triad

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



12.5551, 0.6046, 0.3125



12.5551, 0.2334, 0.6153



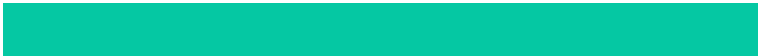
12.5551, 0.1184, 0.1259

Complementary

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



12.5551, 0.6046, 0.3125



43.9875, 0.2418, 0.3890

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.



12.5551, 0.0872, 0.1528



12.5551, 0.6046, 0.3125



12.5551, 0.1333, 0.4208

Square

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



12.5551, 0.6046, 0.3125



12.5551, 0.3613, 0.6193



12.5551, 0.0889, 0.2377



12.5551, 0.1928, 0.1333

Rectangle

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



12.5551, 0.6046, 0.3125



12.5551, 0.5287, 0.4713



12.5551, 0.0889, 0.2377



12.5551, 0.1040, 0.1304

Sweetspot

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



12.5559, 0.6046, 0.3125



58.2704, 0.3651, 0.3146



11.8583, 0.2718, 0.1280



11.4788, 0.3759, 0.3123



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.5559, 0.6046, 0.3125



21.4756, 0.6142, 0.3157



15.9061, 0.5908, 0.3663



10.6692, 0.3260, 0.3246



7.9060, 0.6083, 0.3125



0.3845, 0.5516, 0.2812

Inverse Universe

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



12.5559, 0.6046, 0.3125



21.4756, 0.6142, 0.3157



23.4058, 0.1977, 0.2304



10.6692, 0.3260, 0.3246



7.9060, 0.6083, 0.3125



0.3845, 0.5516, 0.2812

Previews

White Background



This preview shows how the Yxy color 12.5551, 0.6046, 0.3125 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 12.5551, 0.6046, 0.3125 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 12.5551, 0.6046, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 12.5551, 0.6046, 0.3125.



This preview shows how white text looks on a background with the Yxy color 12.5551, 0.6046, 0.3125.

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

12.5551, 0.6046, 0.3125

Protanopia

12.9925, 0.3785, 0.4095

Deuteranopia

12.9616, 0.4531, 0.4467



Tritanopia

12.7251, 0.6308, 0.3335

Trichromacy



Original Color

12.5551, 0.6046, 0.3125

Protanomaly

10.0216, 0.4832, 0.3462

Deuteranomaly

10.5348, 0.5382, 0.3687

Tritanomaly

12.6142, 0.6259, 0.3278

Monochromacy



Original Color

12.5551, 0.6046, 0.3125

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.9055, 0.4546, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5551, 0.6046, 0.3125 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(200, 5, 42)` looks like.

```
.text, #text, p{  
    color:rgb(200, 5, 42)  
}
```

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(200, 5, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 5, 42) }
```

Border

The CSS property to change the border of an element to Yxy 12.5551, 0.6046, 0.3125 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(200, 5, 42) }
```

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

```
.border{ border-color:rgb(200, 5, 42) }
```

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

Here you see how a box with a 4 pixel rgb(200, 5, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 5, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 5, 42);  
box-shadow:4px 4px 4px 4px rgb(200, 5, 42)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5551, 0.6046, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 5, 42) }
```

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

```
.background{ background-color: rgb(200, 5,  
42) }
```

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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