

Converting Colors

$Yxy(12.7202, 0.6274, 0.3236)$

Have a look what the booklet for
Yxy(12.7202, 0.6274, 0.3236)
contains.

Yxy(12.7761, 0.6278, 0.3236)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.7761, 0.6278, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	CB0116
RGB	203, 1, 22
RGB Percent	80%, 0%, 9%
CMY	0.2039, 0.9962, 0.9137
CMYK	0.00, 1.00, 0.89, 0.20
HSL	354°, 99%, 40%
HSV	354°, 100%, 80%
XYZ	24.7863, 12.7761, 1.9188
YIQ	63.7920, 113.6510, 49.3550

Conversions

Conversions Part 2

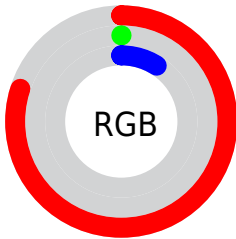
Format	Color
R_YB	203, 1, 22
Decimal	13304086
CIE Lab	42.42, 67.62, 48.69
CIE LCh	42, 83.320, 35.755
Yxy	12.7761, 0.6278, 0.3236
Android (android.graphics.Color)	4291494166 (0xFFCB0116)
YUV	63.7920, -20.6035, 122.0854
Hunter-Lab	35.7437, 61.2285, 21.8378

Details

The Yxy color **12.7761, 0.6278, 0.3236** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **46.0992, 0.2338, 0.3616**, and the grayscale version is **5.1110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1744, 0.5538, 0.3427**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.7524, 0.6288, 0.3237**, and if you desaturate by 10%, it is **13.3989, 0.6026, 0.3193**.

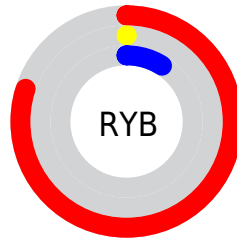
Distribution



Red (80%)

Green (0%)

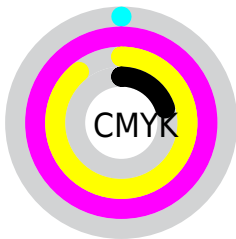
Blue (9%)



Red (80%)

Yellow (0%)

Blue (9%)

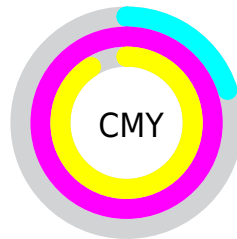


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7761, 0.6278, 0.3236 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 12.7761, 0.6278, 0.3236 by changing the saturation by 10% instead.


 12.7761, 0.6278,
0.3236


 12.7761, 0.6278,
0.3236


209.4777, 0.4488,
0.3493


 7.2745, 0.6735,
0.3053


 30.9009, 0.5610,
0.3415


 3.6344, 0.7264,
0.2736

 44.2930, 0.5359,
0.3455

 1.4712, 0.7803,
0.2197

 61.0841, 0.5150,
0.3477

 0.2683, 0.9001,
0.0999

 81.6585, 0.4974,
0.3489


 0.0000, 1.0000,
0.0000


 106.4007, 0.4824,
0.3495

 0.0000, 0.0000,
0.0000


 135.6950, 0.4696,


0.3497


 169.9259, 0.4585,
0.3496

 12.7761, 0.6278,
0.3236


 12.7761, 0.6278,
0.3236


 12.7524, 0.6288,
0.3237

 13.3989, 0.6026,
0.3193

 14.6333, 0.5657,
0.3157

 16.6596, 0.5218,
0.3142

 19.5813, 0.4771,
0.3144

 23.4863, 0.4360,
0.3160

■ 28.4518, 0.4005,
0.3184

■ 34.5476, 0.3710,
0.3211

■ 41.8374, 0.3470,
0.3239

■ 50.3800, 0.3276,
0.3266

Harmonies

Analogous

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



12.7761, 0.5482, 0.2456



12.7761, 0.6278, 0.3236



12.7761, 0.5821, 0.4179

Triad

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



12.7761, 0.6278, 0.3236



12.7761, 0.1977, 0.6108



12.7761, 0.1213, 0.1157

Complementary

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



12.7761, 0.6278, 0.3236



46.0992, 0.2338, 0.3616

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.



12.7761, 0.0819, 0.1335



12.7761, 0.6278, 0.3236



12.7761, 0.1075, 0.3746

Square

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



12.7761, 0.6278, 0.3236



12.7761, 0.3263, 0.6539



12.7761, 0.0755, 0.2030



12.7761, 0.2098, 0.1299

Rectangle

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



12.7761, 0.6278, 0.3236



12.7761, 0.5054, 0.4946



12.7761, 0.0755, 0.2030



12.7761, 0.1038, 0.1177

Sweetspot

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



12.7769, 0.6278, 0.3236



56.8650, 0.3734, 0.3208



13.9695, 0.2916, 0.1382



11.2029, 0.3855, 0.3197



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.



12.7769, 0.6278, 0.3236



21.3370, 0.6305, 0.3247



18.2089, 0.5742, 0.3817



11.2323, 0.3274, 0.3266



8.1213, 0.6267, 0.3226



0.4256, 0.5895, 0.3021

Inverse Universe

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



12.7769, 0.6278, 0.3236



21.3370, 0.6305, 0.3247



19.1288, 0.1885, 0.1981



11.2323, 0.3274, 0.3266



8.1213, 0.6267, 0.3226



0.4256, 0.5895, 0.3021

Previews

White Background



This preview shows how the Yxy color 12.7761, 0.6278, 0.3236 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 12.7761, 0.6278, 0.3236 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 12.7761, 0.6278, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 12.7761, 0.6278, 0.3236.



This preview shows how white text looks on a background with the Yxy color 12.7761, 0.6278, 0.3236.

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

12.7761, 0.6278, 0.3236

Protanopia

13.4311, 0.4118, 0.4543

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

13.0223, 0.6333, 0.3354

Trichromacy



Original Color

12.7761, 0.6278, 0.3236

Protanomaly

10.1172, 0.5244, 0.3769

Deuteranomaly

10.5307, 0.5637, 0.3836

Tritanomaly

12.8370, 0.6325, 0.3310

Monochromacy



Original Color

12.7761, 0.6278, 0.3236

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.4525, 0.4842, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7761, 0.6278, 0.3236 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(203, 1, 22)` looks like.

```
.text, #text, p{  
  color:rgb(203, 1, 22)  
}
```

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(203, 1, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 1, 22) }
```

Border

The CSS property to change the border of an element to Yxy 12.7761, 0.6278, 0.3236 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(203, 1, 22) }
```

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

```
.border{ border-color:rgb(203, 1, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 1, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 1, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 1, 22);  
box-shadow:4px 4px 4px 4px rgb(203, 1, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7761, 0.6278, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 1, 22) }
```

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

```
.background{ background-color: rgb(203, 1,  
22) }
```

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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