

Converting Colors

$Y_{xy}(12.3121, 0.6210, 0.3452)$

Have a look what the booklet for
Yxy(12.3121, 0.6210, 0.3452)
contains.

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Color

Yxy(12.2784, 0.6209, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	BF2300
RGB	191, 35, 0
RGB Percent	75%, 14%, 0%
CMY	0.2510, 0.8626, 1.0000
CMYK	0.00, 0.82, 1.00, 0.25
HSL	11°, 100%, 37%
HSV	11°, 100%, 75%
XYZ	22.0848, 12.2784, 1.2058
YIQ	77.6540, 104.2110, 22.1870

Conversions

Conversions Part 2

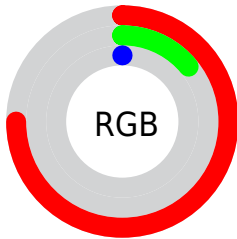
Format	Color
R_{YB}	191, 43, 0
Decimal	12526336
CIE Lab	41.66, 58.87, 54.83
CIE LCh	42, 80.450, 42.961
Yxy	12.2784, 0.6209, 0.3452
Android (android.graphics.Color)	4290716416 (0xFFBF2300)
YUV	77.6540, -38.2834, 99.4044
Hunter-Lab	35.0405, 51.1810, 22.4881

Details

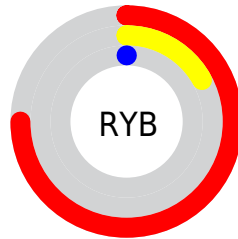
The Yxy color **12.2784, 0.6209, 0.3452** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **27.5210, 0.2081, 0.2691**, and the grayscale version is **7.6125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8828, 0.5573, 0.3615**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.2792, 0.6209, 0.3452**, and if you desaturate by 10%, it is **13.4580, 0.5953, 0.3519**.

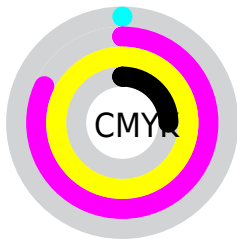
Distribution



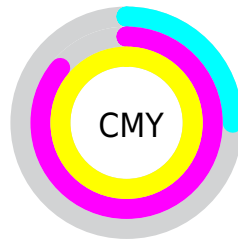
- Red (75%)
- Green (14%)
- Blue (0%)



- Red (75%)
- Yellow (17%)
- Blue (0%)



- Cyan (0%)
- Magenta (82%)
- Yellow (100%)
- Black (25%)




- Cyan (25%)
- Magenta (86%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2784, 0.6209, 0.3452 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 12.2784, 0.6209, 0.3452 by changing the saturation by 10% instead.


 12.2784, 0.6209,
0.3452


 12.2784, 0.6209,
0.3452


 206.2398, 0.4482,
0.3616


 6.9336, 0.6694,
0.3306


 30.0011, 0.5580,
0.3611


 3.4206, 0.7063,
0.2937

 43.1479, 0.5338,
0.3637

 1.3551, 0.7601,
0.2399

 59.6640, 0.5134,
0.3647

 0.1832, 0.9107,
0.0893

 79.9339, 0.4962,
0.3648


 0.0000, 1.0000,
0.0000


 104.3421, 0.4815,
0.3644


 0.0000, 0.0000,
0.0000


 133.2729, 0.4688,


0.3636


 167.1106, 0.4578,
0.3626


 12.2784, 0.6209,
0.3452


 12.2784, 0.6209,
0.3452

 12.2792, 0.6209,
0.3452

 13.4580, 0.5953,
0.3519

 15.1393, 0.5605,
0.3566

 17.3812, 0.5197,
0.3580

 20.2291, 0.4780,
0.3566

 23.7233, 0.4388,
0.3532

■ 27.9008, 0.4043,
0.3486

■ 32.7956, 0.3747,
0.3436

■ 38.4395, 0.3500,
0.3385

■ 44.8624, 0.3296,
0.3336

Harmonies

Analogous

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



12.2784, 0.5753, 0.2659



12.2784, 0.6209, 0.3452



12.2784, 0.5550, 0.4450

Triad

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



12.2784, 0.6209, 0.3452



12.2784, 0.1742, 0.5567



12.2784, 0.1396, 0.1190

Complementary

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



12.2784, 0.6209, 0.3452



27.5210, 0.2081, 0.2691

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.



12.2784, 0.0906, 0.1285



12.2784, 0.6209, 0.3452



12.2784, 0.0983, 0.3225

Square

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



12.2784, 0.6209, 0.3452



12.2784, 0.2953, 0.6563



12.2784, 0.0769, 0.1822



12.2784, 0.2426, 0.1404

Rectangle

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



12.2784, 0.6209, 0.3452



12.2784, 0.4747, 0.5253



12.2784, 0.0769, 0.1822



12.2784, 0.1184, 0.1185

Sweetspot

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



12.2792, 0.6209, 0.3452



58.2990, 0.3760, 0.3438



13.4742, 0.3736, 0.1832



11.9506, 0.3881, 0.3460



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.2792, 0.6209, 0.3452



21.7437, 0.6230, 0.3435



27.1757, 0.4890, 0.4499



9.8120, 0.3284, 0.3333



8.1582, 0.6189, 0.3468



0.4070, 0.5754, 0.3814

Inverse Universe

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



27.5210, 0.2081, 0.2691



48.9644, 0.2078, 0.2681



7.0433, 0.1621, 0.1034



10.5038, 0.2985, 0.3247



18.1976, 0.2083, 0.2700



0.7915, 0.2127, 0.2856

Previews

White Background



This preview shows how the Yxy color 12.2784, 0.6209, 0.3452 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 12.2784, 0.6209, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

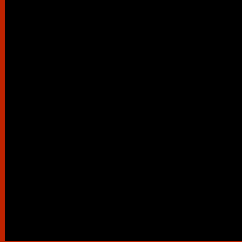
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2784, 0.6209, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 12.2784, 0.6209, 0.3452.



This preview shows how white text looks on a background with the Yxy color 12.2784, 0.6209, 0.3452.

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

12.2784, 0.6209, 0.3452

Protanopia

12.6209, 0.4274, 0.4734

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.2684, 0.6005, 0.3305

Trichromacy



Original Color

12.2784, 0.6209, 0.3452

Protanomaly

10.8661, 0.5182, 0.4124

Deuteranomaly

11.2491, 0.5422, 0.4077

Tritanomaly

12.2709, 0.6109, 0.3379

Monochromacy



Original Color

12.2784, 0.6209, 0.3452

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.5975, 0.4615, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2784, 0.6209, 0.3452 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(191, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 35, 0)  
}
```

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(191, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 35, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.2784, 0.6209, 0.3452 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(191, 35, 0) }
```

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

```
.border{ border-color:rgb(191, 35, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 35, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 35, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2784, 0.6209, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 35, 0) }
```

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

```
.background{ background-color: rgb(191, 35,  
0) }
```

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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