

Converting Colors

$Y_{xy}(12.9541, 0.6116, 0.3526)$

Have a look what the booklet for
Yxy(12.9541, 0.6116, 0.3526)
contains.

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Color

Yxy(12.9531, 0.6111, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	BF2D00
RGB	191, 45, 0
RGB Percent	75%, 18%, 0%
CMY	0.2510, 0.8235, 1.0000
CMYK	0.00, 0.76, 1.00, 0.25
HSL	14°, 100%, 37%
HSV	14°, 100%, 75%
XYZ	22.4239, 12.9531, 1.3173
YIQ	83.5240, 101.4610, 16.9570

Conversions

Conversions Part 2

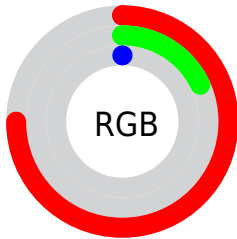
Format	Color
RYB	191, 59, 0
Decimal	12528896
CIELab	42.69, 55.97, 55.28
CIELCh	43, 78.667, 44.645
Yxy	12.9531, 0.6111, 0.3530
Android (android.graphics.Color)	4290718976 (0xFFBF2D00)
YUV	83.5240, -41.1773, 94.2565
Hunter-Lab	35.9904, 48.2316, 23.0231

Details

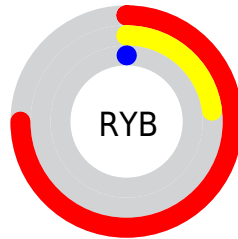
The Yxy color **12.9531, 0.6111, 0.3530** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **24.3146, 0.2030, 0.2508**, and the grayscale version is **8.8347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0291, 0.5508, 0.3663**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.9540, 0.6111, 0.3530**, and if you desaturate by 10%, it is **14.3147, 0.5847, 0.3608**.

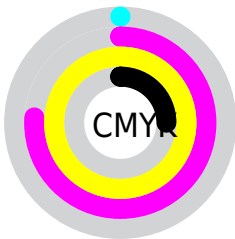
Distribution



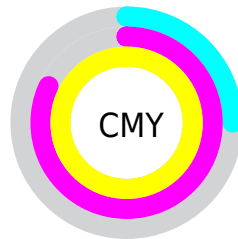
- Red (75%)
- Green (18%)
- Blue (0%)



- Red (75%)
- Yellow (23%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (25%)





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


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9531, 0.6111, 0.3530 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 12.9531, 0.6111, 0.3530 by changing the saturation by 10% instead.


 12.9531, 0.6111,
0.3530

 12.9531, 0.6111,
0.3530


 210.6169, 0.4447,
0.3640


 7.3963, 0.6566,
0.3399


 31.2195, 0.5506,
0.3664


 3.7111, 0.6937,
0.3063

 44.6978, 0.5274,
0.3683

 1.5133, 0.7444,
0.2556

 61.5855, 0.5078,
0.3687

 0.2981, 0.8666,
0.1334

 82.2668, 0.4911,
0.3683


 0.0000, 1.0000,
0.0000


 107.1262, 0.4769,
0.3675


 0.0000, 0.0000,
0.0000


 136.5481, 0.4647,


0.3664


 170.9169, 0.4541,
0.3652


 12.9531, 0.6111,
0.3530


 12.9531, 0.6111,
0.3530


 12.9540, 0.6111,
0.3530

 14.3147, 0.5847,
0.3608

 16.1431, 0.5507,
0.3658

 18.4876, 0.5117,
0.3669

 21.3853, 0.4721,
0.3646

 24.8698, 0.4350,
0.3600

■ 28.9717, 0.4020,
0.3541

■ 33.7196, 0.3736,
0.3476

■ 39.1402, 0.3495,
0.3411

■ 45.2586, 0.3295,
0.3349

Harmonies

Analogous

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



12.9531, 0.5721, 0.2734



12.9531, 0.6111, 0.3530



12.9531, 0.5465, 0.4535

Triad

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



12.9531, 0.6111, 0.3530



12.9531, 0.1743, 0.5343



12.9531, 0.1482, 0.1242

Complementary

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



12.9531, 0.6111, 0.3530



24.3146, 0.2030, 0.2508

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.



12.9531, 0.0971, 0.1322



12.9531, 0.6111, 0.3530



12.9531, 0.1018, 0.3135

Square

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



12.9531, 0.6111, 0.3530



12.9531, 0.2925, 0.6448



12.9531, 0.0820, 0.1827



12.9531, 0.2529, 0.1471

Rectangle

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



12.9531, 0.6111, 0.3530



12.9531, 0.4682, 0.5318



12.9531, 0.0820, 0.1827



12.9531, 0.1263, 0.1233

Sweetspot

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



12.9540, 0.6111, 0.3530



59.9624, 0.3748, 0.3480



13.1650, 0.3906, 0.1925



12.3436, 0.3865, 0.3507



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.



12.9540, 0.6111, 0.3530



22.8937, 0.6135, 0.3511



29.8515, 0.4760, 0.4602



9.8916, 0.3283, 0.3345



8.6186, 0.6088, 0.3548



0.4417, 0.5612, 0.3926

Inverse Universe

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



24.3146, 0.2030, 0.2508



43.1562, 0.2026, 0.2495



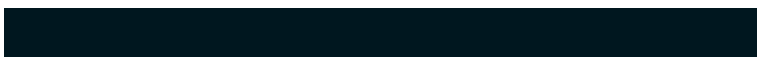
6.1233, 0.1589, 0.0919



10.4180, 0.2985, 0.3235



16.1079, 0.2033, 0.2520



0.7252, 0.2090, 0.2725

Previews

White Background



This preview shows how the Yxy color 12.9531, 0.6111, 0.3530 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 12.9531, 0.6111, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

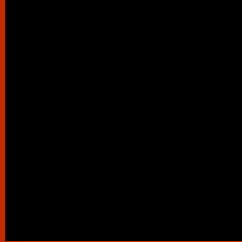
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9531, 0.6111, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 12.9531, 0.6111, 0.3530.



This preview shows how white text looks on a background with the Yxy color 12.9531, 0.6111, 0.3530.

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

12.9531, 0.6111, 0.3530

Protanopia

13.2055, 0.4297, 0.4742

Deuteranopia

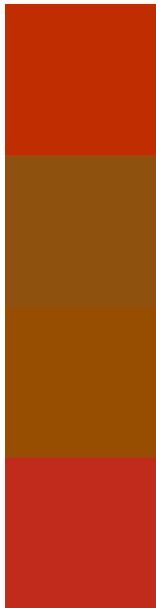
13.2165, 0.4694, 0.4655



Tritanopia

13.0368, 0.5804, 0.3290

Trichromacy



Original Color

12.9531, 0.6111, 0.3530

Protanomaly

11.7562, 0.5119, 0.4194

Deuteranomaly

12.1242, 0.5347, 0.4136

Tritanomaly

13.0134, 0.5975, 0.3410

Monochromacy



Original Color

12.9531, 0.6111, 0.3530

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.8483, 0.4519, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9531, 0.6111, 0.3530 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, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 45, 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, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 45, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9531, 0.6111, 0.3530 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, 45, 0) }
```

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

```
.border{ border-color:rgb(191, 45, 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, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 45, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9531, 0.6111, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 45, 0) }
```

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

```
.background{ background-color: rgb(191, 45,  
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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