

Converting Colors

$Y_{xy}(12.6379, 0.5826, 0.3756)$

Have a look what the booklet for
Yxy(12.6379, 0.5826, 0.3756)
contains.

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Color

Yxy(12.6754, 0.5822, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	B03E00
RGB	176, 62, 0
RGB Percent	69%, 24%, 0%
CMY	0.3098, 0.7568, 1.0000
CMYK	0.00, 0.65, 1.00, 0.31
HSL	21°, 100%, 35%
HSV	21°, 100%, 69%
XYZ	19.6266, 12.6754, 1.4091
YIQ	89.0180, 87.8460, 4.8860

Conversions

Conversions Part 2

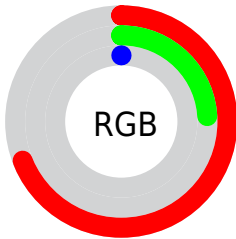
Format	Color
R_{YB}	176, 96, 0
Decimal	11550208
CIE Lab	42.27, 44.37, 53.51
CIE LCh	42, 69.512, 50.335
Yxy	12.6754, 0.5822, 0.3760
Android (android.graphics.Color)	4289740288 (0xFFB03E00)
YUV	89.0180, -43.8859, 76.2832
Hunter-Lab	35.6025, 36.0975, 22.5751

Details

The Yxy color **12.6754, 0.5822, 0.3760** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.1667, 0.1916, 0.2098**, and the grayscale version is **10.0799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6612, 0.5270, 0.3820**, and **3.6448, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.6764, 0.5821, 0.3760**, and if you desaturate by 10%, it is **14.0914, 0.5562, 0.3839**.

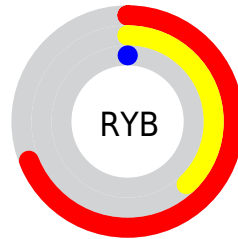
Distribution



Red (69%)

Green (24%)

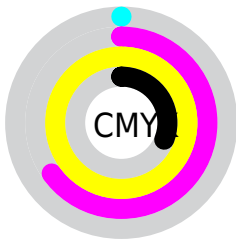
Blue (0%)



Red (69%)

Yellow (38%)

Blue (0%)

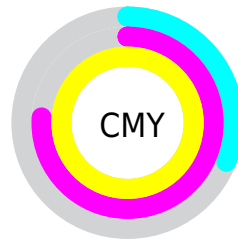


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6754, 0.5822, 0.3760 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 12.6754, 0.5822, 0.3760 by changing the saturation by 10% instead.


 12.6754, 0.5822,
0.3760


 12.6754, 0.5822,
0.3760


 208.8267, 0.4304,
0.3703


 7.2054, 0.6245,
0.3679


 30.7194, 0.5263,
0.3822


 3.5909, 0.6601,
0.3399

 44.0622, 0.5050,
0.3817


 1.4475, 0.7070,
0.2930

 60.7980, 0.4872,
0.3802

 0.2513, 0.8496,
0.1504

 81.3113, 0.4722,
0.3783


 0.0000, 1.0000,
0.0000

 105.9864, 0.4594,
0.3763

 0.0000, 0.0000,
0.0000

 135.2077, 0.4483,

0.3742

 169.3597, 0.4388,
0.3722


 12.6754, 0.5822,
0.3760


 12.6754, 0.5822,
0.3760


 12.6764, 0.5821,
0.3760

 14.0914, 0.5562,
0.3839

 15.8194, 0.5257,
0.3878

 17.8888, 0.4920,
0.3869

 20.3194, 0.4579,
0.3822

 23.1293, 0.4256,
0.3748

■ 26.3351, 0.3963,
0.3660

■ 29.9523, 0.3705,
0.3564

■ 33.9956, 0.3482,
0.3469

■ 38.4787, 0.3290,
0.3377

Harmonies

Analogous

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



12.6754, 0.5625, 0.2962



12.6754, 0.5822, 0.3760



12.6754, 0.5154, 0.4732

Triad

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



12.6754, 0.5822, 0.3760



12.6754, 0.1726, 0.4723



12.6754, 0.1755, 0.1402

Complementary

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



12.6754, 0.5822, 0.3760



15.1667, 0.1916, 0.2098

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.



12.6754, 0.1176, 0.1427



12.6754, 0.5822, 0.3760



12.6754, 0.1114, 0.2887

Square

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



12.6754, 0.5822, 0.3760



12.6754, 0.2803, 0.6050



12.6754, 0.0973, 0.1835



12.6754, 0.2847, 0.1678

Rectangle

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



12.6754, 0.5822, 0.3760



12.6754, 0.4432, 0.5433



12.6754, 0.0973, 0.1835



12.6754, 0.1512, 0.1376

Sweetspot

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



12.6764, 0.5821, 0.3760



53.9607, 0.3718, 0.3569



10.4540, 0.4334, 0.2161



11.0934, 0.3820, 0.3609



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.6764, 0.5821, 0.3760



22.6045, 0.5851, 0.3736



30.9150, 0.4484, 0.4822



8.9789, 0.3279, 0.3371



9.4020, 0.5802, 0.3775



0.4081, 0.5262, 0.4204

Inverse Universe

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



15.1667, 0.1916, 0.2098



27.0662, 0.1910, 0.2076



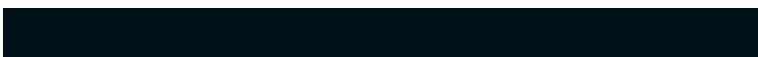
3.8912, 0.1536, 0.0727



9.1176, 0.2986, 0.3208



11.2412, 0.1920, 0.2112



0.4584, 0.2022, 0.2479

Previews

White Background



This preview shows how the Yxy color 12.6754, 0.5822, 0.3760 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 12.6754, 0.5822, 0.3760 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 12.6754, 0.5822, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 12.6754, 0.5822, 0.3760.



This preview shows how white text looks on a background with the Yxy color 12.6754, 0.5822, 0.3760.

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

12.6754, 0.5822, 0.3760

Protanopia

12.8617, 0.4305, 0.4785

Deuteranopia

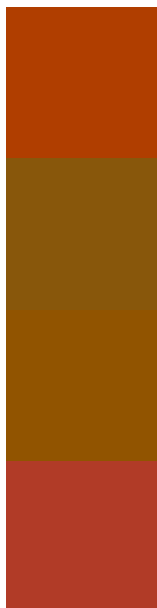
12.8778, 0.4684, 0.4663



Tritanopia

12.7101, 0.5255, 0.3260

Trichromacy



Original Color

12.6754, 0.5822, 0.3760

Protanomaly

12.0748, 0.4931, 0.4371

Deuteranomaly

12.3604, 0.5153, 0.4290

Tritanomaly

12.6215, 0.5576, 0.3508

Monochromacy



Original Color

12.6754, 0.5822, 0.3760

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9523, 0.4299, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6754, 0.5822, 0.3760 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(176, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 62, 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(176, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 62, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.6754, 0.5822, 0.3760 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(176, 62, 0) }
```

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

```
.border{ border-color:rgb(176, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 62, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6754, 0.5822, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 62, 0) }
```

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

```
.background{ background-color: rgb(176, 62,  
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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