

Converting Colors

$Y_{xy}(12.8689, 0.5440, 0.4063)$

Have a look what the booklet for
Yxy(12.8689, 0.5440, 0.4063)
contains.

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Color

$\text{Yxy}(12.7813, 0.5446, 0.4058)$

Conversions

Conversions Part 1

Format	Color
Hex	A04D00
RGB	160, 77, 0
RGB Percent	63%, 30%, 0%
CMY	0.3725, 0.6981, 1.0000
CMYK	0.00, 0.52, 1.00, 0.37
HSL	29°, 100%, 31%
HSV	29°, 100%, 63%
XYZ	17.1530, 12.7813, 1.5622
YIQ	93.0390, 74.1850, -6.3510

Conversions

Conversions Part 2

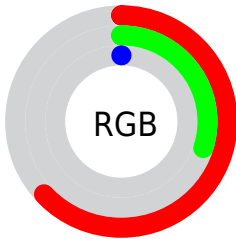
Format	Color
RYB	160, 148, 0
Decimal	10505472
CIELab	42.43, 30.69, 52.15
CIElCh	42, 60.509, 59.518
Yxy	12.7813, 0.5446, 0.4058
Android (android.graphics.Color)	4288695552 (0xFFA04D00)
YUV	93.0390, -45.8682, 58.7248
Hunter-Lab	35.7509, 23.0787, 22.4348

Details

The Yxy color **12.7813, 0.5446, 0.4058** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.7278, 0.1794, 0.1659**, and the grayscale version is **11.0523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8463, 0.4967, 0.4016**, and **3.6454, 0.5895, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **12.7821, 0.5446, 0.4058**, and if you desaturate by 10%, it is **14.0563, 0.5226, 0.4112**.

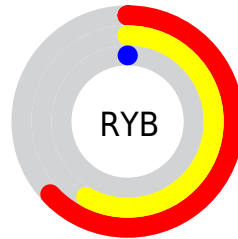
Distribution



Red (63%)

Green (30%)

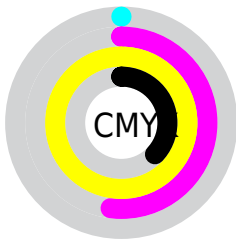
Blue (0%)



Red (63%)

Yellow (58%)

Blue (0%)

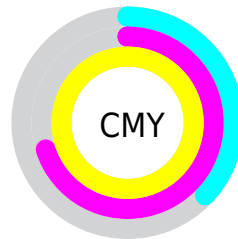


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7813, 0.5446, 0.4058 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 12.7813, 0.5446, 0.4058 by changing the saturation by 10% instead.


 12.7813, 0.5446,
0.4058


 12.7813, 0.5446,
0.4058


 209.5113, 0.4138,
0.3783


 7.2781, 0.5806,
0.4048


 30.9103, 0.4962,
0.4022

 3.6366, 0.6128,
0.3872


 44.3049, 0.4779,
0.3985

 1.4725, 0.6502,
0.3498

 61.0988, 0.4625,
0.3946

 0.2692, 0.7905,
0.2095


 81.6764, 0.4496,
0.3909


 0.0000, 0.0000,
0.0000


 106.4220, 0.4386,
0.3873

 135.7201, 0.4291,

0.3840


 169.9551, 0.4210,
0.3810


 12.7813, 0.5446,
0.4058

 12.7813, 0.5446,
0.4058


 12.7821, 0.5446,
0.4058

 14.0563, 0.5226,
0.4112

 15.5135, 0.4979,
0.4124

 17.1716, 0.4707,
0.4087

 19.0408, 0.4428,
0.4010

 21.1302, 0.4156,
0.3906

■ 23.4483, 0.3903,
0.3785

■ 26.0031, 0.3672,
0.3658

■ 28.8019, 0.3467,
0.3531

■ 31.8519, 0.3286,
0.3407

Harmonies

Analogous

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



12.7813, 0.5490, 0.3268



12.7813, 0.5446, 0.4058



12.7813, 0.4721, 0.4937

Triad

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



12.7813, 0.5446, 0.4058



12.7813, 0.1675, 0.4017



12.7813, 0.2154, 0.1620

Complementary

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



12.7813, 0.5446, 0.4058



8.7278, 0.1794, 0.1659

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.



12.7813, 0.1474, 0.1560



12.7813, 0.5446, 0.4058



12.7813, 0.1225, 0.2604

Square

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



12.7813, 0.5446, 0.4058



12.7813, 0.2576, 0.5435



12.7813, 0.1181, 0.1835



12.7813, 0.3284, 0.1965

Rectangle

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



12.7813, 0.5446, 0.4058



12.7813, 0.4044, 0.5469



12.7813, 0.1181, 0.1835



12.7813, 0.1878, 0.1567

Sweetspot

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



12.7821, 0.5446, 0.4058



46.9253, 0.3685, 0.3666



8.1363, 0.4797, 0.2416



9.8808, 0.3774, 0.3716



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.7821, 0.5446, 0.4058



22.8026, 0.5475, 0.4035



30.8111, 0.4252, 0.5006



7.1464, 0.3273, 0.3398



10.0428, 0.5431, 0.4069



0.2639, 0.4844, 0.4536

Inverse Universe

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



8.7278, 0.1794, 0.1659



15.4362, 0.1786, 0.1628



2.6543, 0.1507, 0.0625



6.9760, 0.2988, 0.3180



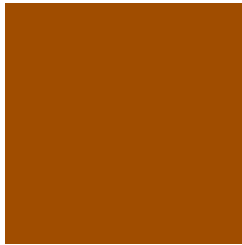
6.8864, 0.1799, 0.1674



0.2077, 0.1992, 0.2370

Previews

White Background



This preview shows how the Yxy color 12.7813, 0.5446, 0.4058 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 12.7813, 0.5446, 0.4058 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 12.7813, 0.5446, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 12.7813, 0.5446, 0.4058.



This preview shows how white text looks on a background with the Yxy color 12.7813, 0.5446, 0.4058.

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

12.7813, 0.5446, 0.4058

Protanopia

12.9165, 0.4342, 0.4805

Deuteranopia

12.9549, 0.4698, 0.4652



Tritanopia

12.8379, 0.4666, 0.3234

Trichromacy



Original Color

12.7813, 0.5446, 0.4058

Protanomaly

12.4993, 0.4777, 0.4511

Deuteranomaly

12.7202, 0.4995, 0.4416

Tritanomaly

12.6880, 0.5098, 0.3658

Monochromacy



Original Color

12.7813, 0.5446, 0.4058

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.9141, 0.4107, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7813, 0.5446, 0.4058 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(160, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 77, 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(160, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.7813, 0.5446, 0.4058 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(160, 77, 0) }
```

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

```
.border{ border-color:rgb(160, 77, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 77, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7813, 0.5446, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 77, 0) }
```

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

```
.background{ background-color: rgb(160, 77,  
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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