

Converting Colors

$Y_{xy}(12.3917, 0.5300, 0.3675)$

Have a look what the booklet for
Yxy(12.3917, 0.5300, 0.3675)
contains.

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Color

Yxy(12.4260, 0.5295, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	A44628
RGB	164, 70, 40
RGB Percent	64%, 27%, 16%
CMY	0.3568, 0.7255, 0.8430
CMYK	0.00, 0.57, 0.76, 0.36
HSL	15°, 61%, 40%
HSV	15°, 76%, 64%
XYZ	17.8841, 12.4260, 3.4654
YIQ	94.6860, 65.6540, 10.5980

Conversions

Conversions Part 2

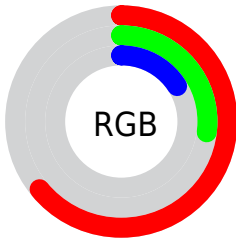
Format	Color
RYB	164, 80, 40
Decimal	10765864
CIELab	41.89, 37.01, 36.42
CIELCh	42, 51.924, 44.542
Yxy	12.4260, 0.5295, 0.3679
Android (android.graphics.Color)	4288955944 (0xFFA44628)
YUV	94.6860, -26.9602, 60.7884
Hunter-Lab	35.2505, 28.8723, 18.8468

Details

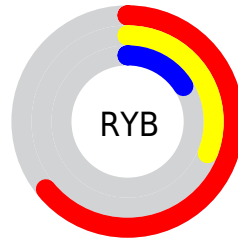
The Yxy color **12.4260, 0.5295, 0.3679** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **20.1902, 0.2163, 0.2711**, and the grayscale version is **11.4194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2102, 0.4776, 0.3671**, and **3.4968, 0.6156, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **10.9398, 0.5661, 0.3651**, and if you desaturate by 10%, it is **14.2831, 0.4904, 0.3670**.

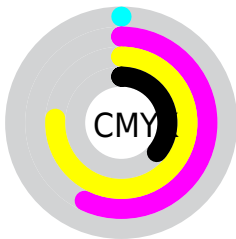
Distribution



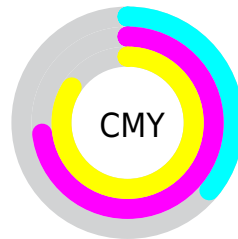
- Red (64%)
- Green (27%)
- Blue (16%)



- Red (64%)
- Yellow (31%)
- Blue (16%)



- Cyan (0%)
- Magenta (57%)
- Yellow (76%)
- Black (36%)





- Cyan (36%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4260, 0.5295, 0.3679 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 12.4260, 0.5295, 0.3679 by changing the saturation by 10% instead.


 12.4260, 0.5295,
0.3679


 12.4260, 0.5295,
0.3679


207.2055, 0.4004,
0.3557


 7.0345, 0.5671,
0.3638


 30.2686, 0.4778,
0.3674


 3.4837, 0.6309,
0.3596

 43.4886, 0.4597,
0.3657


 1.3892, 0.6802,
0.3198

 60.0868, 0.4451,
0.3639

 0.2087, 0.8440,
0.1560

 80.4476, 0.4330,
0.3620

 0.0000, 1.0000,
0.0000

 104.9555, 0.4228,
0.3603

 0.0000, 0.0000,
0.0000

 133.9949, 0.4142,

0.3586

167.9500, 0.4068,
0.3571

12.4260, 0.5295,
0.3679

12.4260, 0.5295,
0.3679

10.9398, 0.5661,
0.3651

14.2831, 0.4904,
0.3670

9.7955, 0.5962,
0.3584

16.5328, 0.4525,
0.3634

9.3873, 0.6080,
0.3554

19.1973, 0.4179,
0.3579

22.2965, 0.3876,
0.3516

25.8490, 0.3617,
0.3450

■ 29.8725, 0.3399,
0.3385

■ 34.3833, 0.3216,
0.3323

■ 39.3973, 0.3063,
0.3265

■ 44.9295, 0.2936,
0.3212

Harmonies

Analogous

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



12.4260, 0.4900, 0.2973



12.4260, 0.5295, 0.3679



12.4260, 0.4961, 0.4440

Triad

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



12.4260, 0.5295, 0.3679



12.4260, 0.2226, 0.4584



12.4260, 0.1906, 0.1722

Complementary

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



12.4260, 0.5295, 0.3679



20.1902, 0.2163, 0.2711

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.



12.4260, 0.1460, 0.1823



12.4260, 0.5295, 0.3679



12.4260, 0.1583, 0.3270

Square

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



12.4260, 0.5295, 0.3679



12.4260, 0.3177, 0.5367



12.4260, 0.1348, 0.2296



12.4260, 0.2732, 0.1910

Rectangle

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



12.4260, 0.5295, 0.3679



12.4260, 0.4464, 0.4937



12.4260, 0.1348, 0.2296



12.4260, 0.1718, 0.1721

Sweetspot

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



12.4267, 0.5295, 0.3679



48.4238, 0.3566, 0.3435



11.1636, 0.3675, 0.2006



10.0665, 0.3647, 0.3458



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.4267, 0.5295, 0.3679



18.3183, 0.5883, 0.3607



24.2637, 0.4449, 0.4535



7.3512, 0.3279, 0.3345



7.2621, 0.6064, 0.3567



0.2208, 0.5420, 0.4078

Inverse Universe

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



20.1902, 0.2163, 0.2711



32.6702, 0.2058, 0.2560



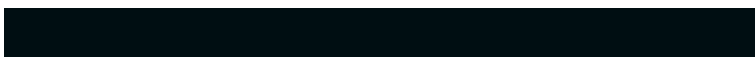
7.9084, 0.1845, 0.1465



7.7197, 0.2987, 0.3234



13.2518, 0.2029, 0.2505



0.3449, 0.2117, 0.2821

Previews

White Background



This preview shows how the Yxy color 12.4260, 0.5295, 0.3679 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

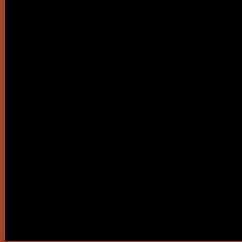
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4260, 0.5295, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 12.4260, 0.5295, 0.3679.



This preview shows how white text looks on a background with the Yxy color 12.4260, 0.5295, 0.3679.

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

12.4260, 0.5295, 0.3679

Protanopia

12.6511, 0.3989, 0.4373

Deuteranopia

12.6599, 0.4461, 0.4399



Tritanopia

12.3507, 0.4855, 0.3223

Trichromacy



Original Color

12.4260, 0.5295, 0.3679

Protanomaly

12.0878, 0.4487, 0.4087

Deuteranomaly

12.2719, 0.4788, 0.4111

Tritanomaly

12.3399, 0.5043, 0.3393

Monochromacy



Original Color

12.4260, 0.5295, 0.3679

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.1566, 0.3899, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4260, 0.5295, 0.3679 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(164, 70, 40)` looks like.

```
.text, #text, p{  
    color:rgb(164, 70, 40)  
}
```

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(164, 70, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 70, 40) }
```

Border

The CSS property to change the border of an element to Yxy 12.4260, 0.5295, 0.3679 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(164, 70, 40) }
```

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

```
.border{ border-color:rgb(164, 70, 40) }
```

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

Here you see how a box with a 4 pixel rgb(164, 70, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 70, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 70, 40);  
box-shadow:4px 4px 4px 4px rgb(164, 70,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4260, 0.5295, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 70, 40) }
```

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

```
.background{ background-color: rgb(164, 70,  
40) }
```

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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