

Converting Colors

$Y_{xy}(12.5704, 0.5136, 0.4304)$

Have a look what the booklet for
Yxy(12.5704, 0.5136, 0.4304)
contains.

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Color

Yxy(12.5167, 0.5134, 0.4305)

Conversions

Conversions Part 1

Format	Color
Hex	915500
RGB	145, 85, 0
RGB Percent	57%, 33%, 0%
CMY	0.4313, 0.6667, 0.9997
CMYK	0.00, 0.41, 1.00, 0.43
HSL	35°, 100%, 28%
HSV	35°, 100%, 57%
XYZ	14.9270, 12.5167, 1.6311
YIQ	93.2500, 63.0450, -13.7150

Conversions

Conversions Part 2

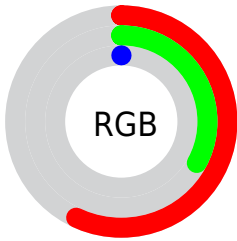
Format	Color
R_{YB}	102, 145, 0
Decimal	9524480
CIE _{Lab}	42.03, 19.65, 50.74
CIE _{LCh}	42, 54.414, 68.830
Yxy	12.5167, 0.5134, 0.4305
Android (android.graphics.Color)	4287714560 (0xFF915500)
YUV	93.2500, -45.9723, 45.3847
Hunter-Lab	35.3789, 13.3991, 22.0318

Details

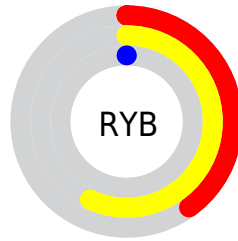
The Yxy color **12.5167, 0.5134, 0.4305** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2851, 0.1706, 0.1339**, and the grayscale version is **11.1086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4607, 0.4718, 0.4189**, and **3.5257, 0.5456, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **12.5127, 0.5135, 0.4305**, and if you desaturate by 10%, it is **13.5363, 0.4958, 0.4329**.

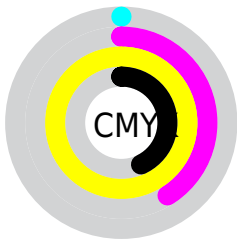
Distribution



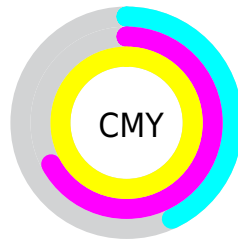
- Red (57%)
- Green (33%)
- Blue (0%)



- Red (40%)
- Yellow (57%)
- Blue (0%)



- Cyan (0%)
- Magenta (41%)
- Yellow (100%)
- Black (43%)





- Cyan (43%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5167, 0.5134, 0.4305 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 12.5167, 0.5134, 0.4305 by changing the saturation by 10% instead.


 12.5167, 0.5134,
0.4305


 12.5167, 0.5134,
0.4305


 207.7966, 0.4002,
0.3845


 7.0966, 0.5444,
0.4363


 30.4327, 0.4715,
0.4184


 3.5226, 0.5717,
0.4283

 43.6975, 0.4557,
0.4120


 1.4103, 0.5990,
0.4010

 60.3459, 0.4424,
0.4061

 0.2243, 0.7555,
0.2445

 80.7623, 0.4312,
0.4008


 0.0000, 0.0000,
0.0000


 105.3312, 0.4217,
0.3960


 134.4370, 0.4135,


0.3917

 168.4640, 0.4064,
0.3879


 12.5167, 0.5134,
0.4305


 12.5167, 0.5134,
0.4305


 12.5127, 0.5135,
0.4305

 13.5363, 0.4958,
0.4329

 14.6600, 0.4760,
0.4314

 15.9016, 0.4540,
0.4253

 17.2669, 0.4308,
0.4152

 18.7614, 0.4076,
0.4025

■ 20.3898, 0.3853,
0.3881

■ 22.1567, 0.3644,
0.3730

■ 24.0663, 0.3453,
0.3578

■ 26.1226, 0.3281,
0.3430

Harmonies

Analogous

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



12.5167, 0.5368, 0.3531



12.5167, 0.5134, 0.4305



12.5167, 0.4366, 0.5086

Triad

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



12.5167, 0.5134, 0.4305



12.5167, 0.1616, 0.3515



12.5167, 0.2519, 0.1806

Complementary

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



12.5167, 0.5134, 0.4305



5.2851, 0.1706, 0.1339

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.



12.5167, 0.1746, 0.1665



12.5167, 0.5134, 0.4305



12.5167, 0.1306, 0.2398

Square

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



12.5167, 0.5134, 0.4305



12.5167, 0.2352, 0.4887



12.5167, 0.1359, 0.1828



12.5167, 0.3661, 0.2213

Rectangle

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



12.5167, 0.5134, 0.4305



12.5167, 0.3709, 0.5441



12.5167, 0.1359, 0.1828



12.5167, 0.2216, 0.1728

Sweetspot

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



12.5174, 0.5134, 0.4305



39.4535, 0.3658, 0.3740



6.3531, 0.5263, 0.2673



8.5080, 0.3735, 0.3797



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.5174, 0.5134, 0.4305



22.0560, 0.5159, 0.4286



25.2344, 0.4051, 0.5165



5.9160, 0.3268, 0.3419



10.7832, 0.5127, 0.4311



0.1467, 0.4632, 0.4704

Inverse Universe

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



5.2851, 0.1706, 0.1339



9.1282, 0.1695, 0.1302



2.1253, 0.1535, 0.0619



5.5989, 0.2990, 0.3158



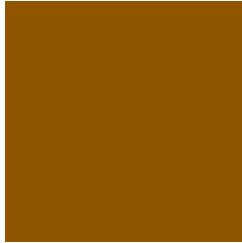
4.5777, 0.1708, 0.1349



0.0855, 0.1936, 0.2171

Previews

White Background



This preview shows how the Yxy color 12.5167, 0.5134, 0.4305 looks on a white background.

Color Contrast Check

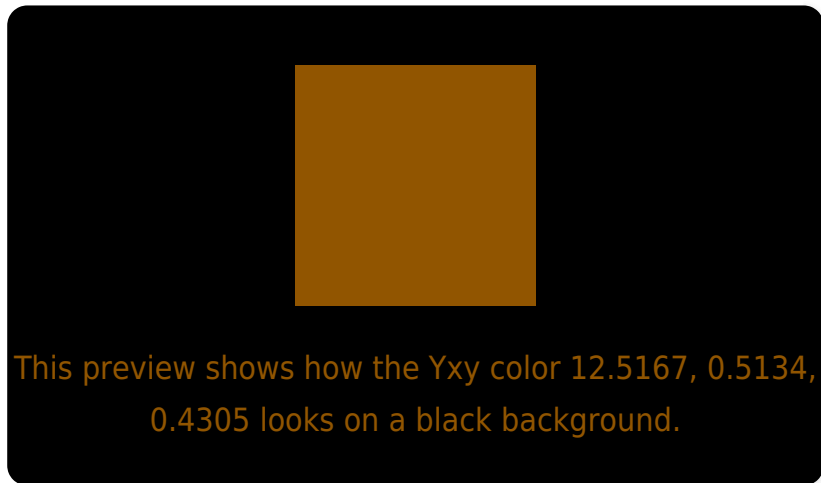
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5167, 0.5134, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 12.5167, 0.5134, 0.4305.



This preview shows how white text looks on a background with the Yxy color 12.5167, 0.5134, 0.4305.

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

12.5167, 0.5134, 0.4305

Protanopia

12.6492, 0.4356, 0.4822

Deuteranopia

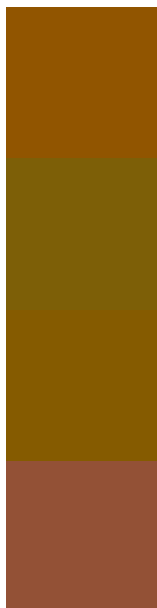
12.6200, 0.4688, 0.4660



Tritanopia

12.5437, 0.4233, 0.3189

Trichromacy



Original Color

12.5167, 0.5134, 0.4305

Protanomaly

12.5597, 0.4643, 0.4633

Deuteranomaly

12.4687, 0.4863, 0.4521

Tritanomaly

12.3542, 0.4733, 0.3739

Monochromacy



Original Color

12.5167, 0.5134, 0.4305

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.0728, 0.3990, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5167, 0.5134, 0.4305 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(145, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 85, 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(145, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 85, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.5167, 0.5134, 0.4305 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(145, 85, 0) }
```

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

```
.border{ border-color:rgb(145, 85, 0) }
```

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

Here you see how a box with a 4 pixel rgb(145, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 85, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5167, 0.5134, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 85, 0) }
```

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

```
.background{ background-color: rgb(145, 85,  
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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