

Converting Colors

$Y_{xy}(13.3783, 0.4645, 0.4895)$

Have a look what the booklet for
Yxy(13.3783, 0.4645, 0.4895)
contains.

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Color

Yxy(13.3253, 0.4553, 0.4767)

Conversions

Conversions Part 1

Format	Color
Hex	7B6400
RGB	123, 100, 0
RGB Percent	48%, 39%, 0%
CMY	0.5176, 0.6079, 1.0000
CMYK	0.00, 0.19, 1.00, 0.52
HSL	49°, 100%, 24%
HSV	49°, 100%, 48%
XYZ	12.7271, 13.3253, 1.9008
YIQ	95.4770, 45.8080, -26.2240

Conversions

Conversions Part 2

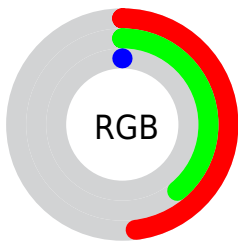
Format	Color
RYB	28, 123, 0
Decimal	8086528
CIELab	43.25, 0.41, 50.27
CIELCh	43, 50.273, 89.527
Yxy	13.3253, 0.4553, 0.4767
Android (android.graphics.Color)	4286276608 (0xFF7B6400)
YUV	95.4770, -47.0702, 24.1377
Hunter-Lab	36.5038, -1.6475, 22.4654

Details

The Yxy color **13.3253, 0.4553, 0.4767** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0439, 0.1562, 0.0822**, and the grayscale version is **11.6724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7226, 0.4279, 0.4478**, and **3.9404, 0.4608, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **13.3260, 0.4553, 0.4767**, and if you desaturate by 10%, it is **13.8011, 0.4466, 0.4734**.

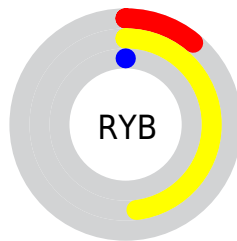
Distribution



Red (48%)

Green (39%)

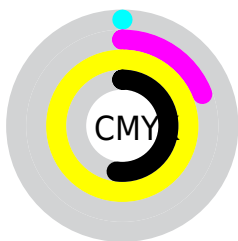
Blue (0%)



Red (11%)

Yellow (48%)

Blue (0%)

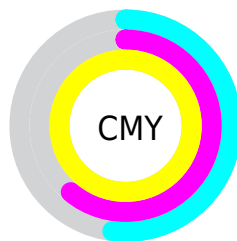


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (52%)



Cyan (52%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3253, 0.4553, 0.4767 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 13.3253, 0.4553, 0.4767 by changing the saturation by 10% instead.

■ 13.3253, 0.4553,
0.4767

■ 13.3253, 0.4553,
0.4767

■ 212.9921, 0.3780,
0.3969

■ 7.6529, 0.4732,
0.4949

■ 31.8870, 0.4280,
0.4487

■ 3.8737, 0.4891,
0.5109

■ 45.5451, 0.4171,
0.4375

■ 1.6032, 0.4898,
0.5102

■ 62.6339, 0.4079,
0.4279

■ 0.3597, 0.4946,
0.5054


■ 83.5377, 0.4001,
0.4198


■ 0.0000, 0.0000,
0.0000


■ 108.6411, 0.3933,
0.4128


■ 138.3284, 0.3875,


0.4068


 172.9839, 0.3824,
0.4015

 13.3253, 0.4553,
0.4767


 13.3253, 0.4553,
0.4767


 13.3260, 0.4553,
0.4767

 13.8011, 0.4466,
0.4734

 14.3026, 0.4362,
0.4673

 14.8402, 0.4234,
0.4570

 15.4165, 0.4087,
0.4431

 16.0341, 0.3927,
0.4264

■ 16.6952, 0.3760,
0.4077

■ 17.4018, 0.3592,
0.3880

■ 18.1556, 0.3429,
0.3679

■ 18.9585, 0.3273,
0.3481

Harmonies

Analogous

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



13.3253, 0.5114, 0.4045



13.3253, 0.4553, 0.4767



13.3253, 0.3677, 0.5254

Triad

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



13.3253, 0.4553, 0.4767



13.3253, 0.1490, 0.2755



13.3253, 0.3274, 0.2153

Complementary

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



13.3253, 0.4553, 0.4767



2.0439, 0.1562, 0.0822

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.



13.3253, 0.2312, 0.1843



13.3253, 0.4553, 0.4767



13.3253, 0.1433, 0.2067

Square

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



13.3253, 0.4553, 0.4767



13.3253, 0.1917, 0.3894



13.3253, 0.1700, 0.1798



13.3253, 0.4367, 0.2680

Rectangle

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



13.3253, 0.4553, 0.4767



13.3253, 0.3031, 0.5188



13.3253, 0.1700, 0.1798



13.3253, 0.2921, 0.2022

Sweetspot

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



13.3260, 0.4553, 0.4767



31.0581, 0.3605, 0.3895



4.2805, 0.5999, 0.3078



7.2091, 0.3663, 0.3964



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.3260, 0.4553, 0.4767



23.6638, 0.4563, 0.4759



16.1532, 0.3690, 0.5452



4.5125, 0.3259, 0.3463



13.7748, 0.4554, 0.4766



64.5451, 0.4576, 0.4749

Inverse Universe

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



2.0439, 0.1562, 0.0822



3.4924, 0.1553, 0.0790



1.8220, 0.1733, 0.0728



4.0038, 0.2994, 0.3111



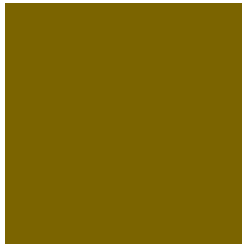
2.1073, 0.1561, 0.0820



9.1087, 0.1543, 0.0753

Previews

White Background



This preview shows how the Yxy color 13.3253, 0.4553, 0.4767 looks on a white background.

Color Contrast Check

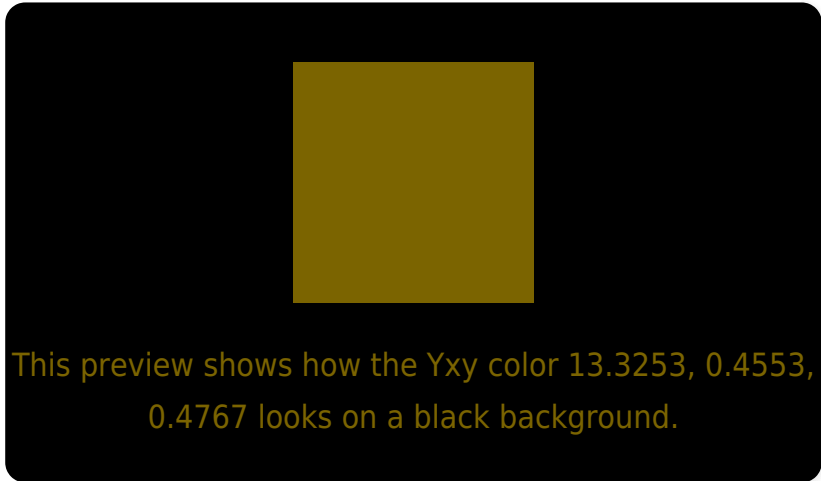
Large Text (above 18pt) WCAG AA ✓ Pass

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

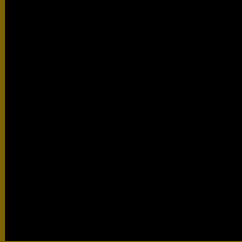
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3253, 0.4553, 0.4767

Background



This preview shows how black text looks on a background with the Yxy color 13.3253, 0.4553, 0.4767.



This preview shows how white text looks on a background with the Yxy color 13.3253, 0.4553, 0.4767.

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

13.3253, 0.4553, 0.4767

Protanopia

13.4245, 0.4376, 0.4863

Deuteranopia

13.3149, 0.4672, 0.4598



Tritanopia

13.3380, 0.3575, 0.3154

Trichromacy



Original Color

13.3253, 0.4553, 0.4767

Protanomaly

13.4313, 0.4446, 0.4826

Deuteranomaly

13.2605, 0.4623, 0.4661

Tritanomaly

13.1715, 0.4087, 0.3925

Monochromacy



Original Color

13.3253, 0.4553, 0.4767

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8789, 0.3792, 0.4126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3253, 0.4553, 0.4767 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(123, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 100, 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(123, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.3253, 0.4553, 0.4767 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(123, 100, 0) }
```

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

```
.border{ border-color:rgb(123, 100, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3253, 0.4553, 0.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 100, 0) }
```

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

```
.background{ background-color: rgb(123,  
100, 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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