

Converting Colors

$Y_{xy}(12.7286, 0.4181, 0.5552)$

Have a look what the booklet for
Yxy(12.7286, 0.4181, 0.5552)
contains.

Yxy(12.8951, 0.3991, 0.5213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.8951, 0.3991, 0.5213)

Conversions

Conversions Part 1

Format	Color
Hex	5E6B00
RGB	94, 107, 0
RGB Percent	37%, 42%, 0%
CMY	0.6315, 0.5804, 0.9999
CMYK	0.12, 0.00, 1.00, 0.58
HSL	67°, 100%, 21%
HSV	67°, 100%, 42%
XYZ	9.8723, 12.8951, 1.9690
YIQ	90.9150, 26.5990, -36.0330

Conversions

Conversions Part 2

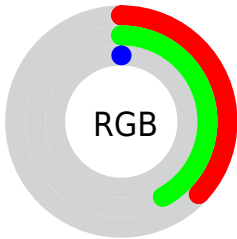
Format	Color
RYB	0, 107, 13
Decimal	6187776
CIELab	42.60, -17.57, 48.55
CIELCh	43, 51.629, 109.899
Yxy	12.8951, 0.3991, 0.5213
Android (android.graphics.Color)	4284377856 (0xFF5E6B00)
YUV	90.9150, -44.8211, 2.7055
Hunter-Lab	35.9097, -13.7688, 21.8858

Details

The Yxy color **12.8951, 0.3991, 0.5213** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1480, 0.1571, 0.0639**, and the grayscale version is **10.5408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0759, 0.3869, 0.4761**, and **3.7453, 0.3762, 0.5395** is the 20% darker color. If you saturate the color by 10%, you get **12.8955, 0.3991, 0.5213**, and if you desaturate by 10%, it is **12.9886, 0.3972, 0.5126**.

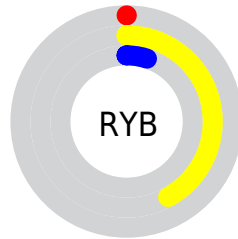
Distribution



Red (37%)

Green (42%)

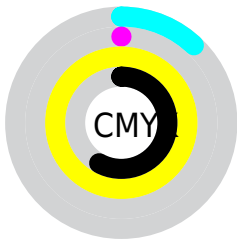
Blue (0%)



Red (0%)

Yellow (42%)

Blue (5%)

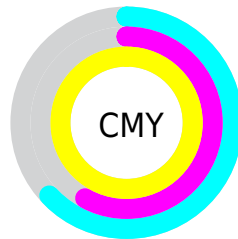


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (63%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8951, 0.3991, 0.5213 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 12.8951, 0.3991, 0.5213 by changing the saturation by 10% instead.

 12.8951, 0.3991,
0.5213


 12.8951, 0.3991,
0.5213


 210.2443, 0.3563,
0.4075


 7.3564, 0.4052,
0.5544


 31.1152, 0.3861,
0.4767


 3.6859, 0.4048,
0.5952

 44.5653, 0.3801,
0.4606


 1.4995, 0.3747,
0.6253

 61.4214, 0.3748,
0.4475

 0.2884, 0.0000,
1.0000


 82.0678, 0.3701,
0.4367


 0.0000, 0.0000,
0.0000


 106.8888, 0.3659,
0.4276

 136.2690, 0.3623,


0.4199

 170.5927, 0.3591,
0.4132


 12.8951, 0.3991,
0.5213


 12.8951, 0.3991,
0.5213


 12.8955, 0.3991,
0.5213

 12.9886, 0.3972,
0.5126

 13.0914, 0.3942,
0.5018

 13.2125, 0.3887,
0.4870

 13.3536, 0.3812,
0.4688

 13.5166, 0.3718,
0.4477

■ 13.7027, 0.3610,
0.4247

■ 13.9135, 0.3493,
0.4006

■ 14.1502, 0.3371,
0.3762

■ 14.4138, 0.3248,
0.3521

Harmonies

Analogous

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



12.8951, 0.4824, 0.4566



12.8951, 0.3991, 0.5213



12.8951, 0.3005, 0.5265

Triad

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



12.8951, 0.3991, 0.5213



12.8951, 0.1367, 0.2197



12.8951, 0.4062, 0.2465

Complementary

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



12.8951, 0.3991, 0.5213



1.1480, 0.1571, 0.0639

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.



12.8951, 0.2924, 0.1990



12.8951, 0.3991, 0.5213



12.8951, 0.1535, 0.1802

Square

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



12.8951, 0.3991, 0.5213



12.8951, 0.1536, 0.3065



12.8951, 0.2042, 0.1756



12.8951, 0.4995, 0.3101

Rectangle

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



12.8951, 0.3991, 0.5213



12.8951, 0.2375, 0.4736



12.8951, 0.2042, 0.1756



12.8951, 0.3676, 0.2284

Sweetspot

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



12.8957, 0.3991, 0.5213



24.8758, 0.3503, 0.4027



3.4016, 0.6243, 0.3424



5.9911, 0.3541, 0.4104



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.8957, 0.3991, 0.5213



23.0529, 0.3985, 0.5218



10.9891, 0.3257, 0.5796



3.5658, 0.3235, 0.3497



15.6771, 0.3989, 0.5215



79.6294, 0.3977, 0.5224

Inverse Universe

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



1.1480, 0.1571, 0.0639



2.0207, 0.1556, 0.0631



2.2202, 0.2311, 0.1047



3.0412, 0.3014, 0.3076



1.3871, 0.1565, 0.0636



6.8535, 0.1537, 0.0620

Previews

White Background



This preview shows how the Yxy color 12.8951, 0.3991, 0.5213 looks on a white background.

Color Contrast Check

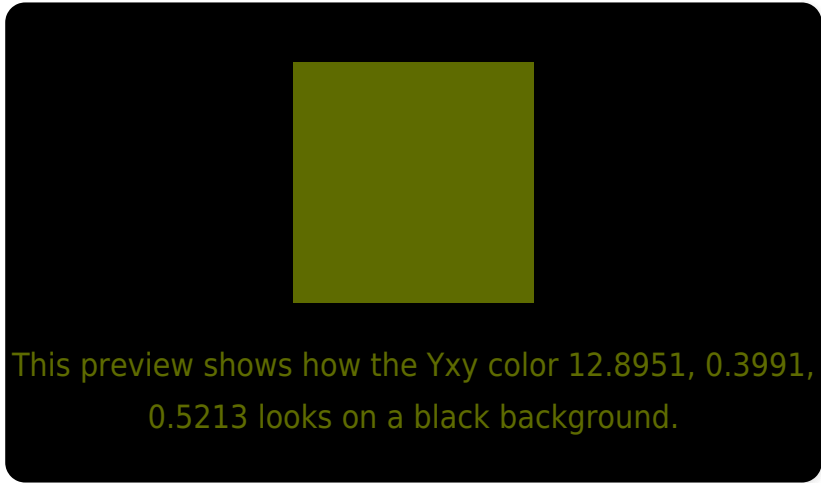
Large Text (above 18pt) WCAG AA ✓ Pass

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

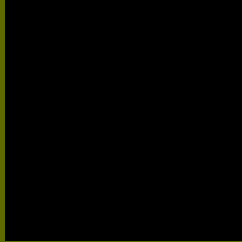
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8951, 0.3991, 0.5213

Background



This preview shows how black text looks on a background with the Yxy color 12.8951, 0.3991, 0.5213.



This preview shows how white text looks on a background with the Yxy color 12.8951, 0.3991, 0.5213.

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

12.8951, 0.3991, 0.5213

Protanopia

12.8848, 0.4399, 0.4889

Deuteranopia

12.7401, 0.4619, 0.4543



Tritanopia

12.8100, 0.3063, 0.3115

Trichromacy



Original Color

12.8951, 0.3991, 0.5213

Protanomaly

12.8263, 0.4256, 0.5002

Deuteranomaly

12.5927, 0.4404, 0.4784

Tritanomaly

12.5727, 0.3548, 0.4078

Monochromacy



Original Color

12.8951, 0.3991, 0.5213

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1302, 0.3603, 0.4242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8951, 0.3991, 0.5213 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(94, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 107, 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(94, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.8951, 0.3991, 0.5213 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(94, 107, 0) }
```

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

```
.border{ border-color:rgb(94, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 107, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.8951, 0.3991, 0.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 107, 0) }
```

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

```
.background{ background-color: rgb(94, 107,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor