

Converting Colors

$Y_{xy}(12.7194, 0.1886, 0.0952)$

Have a look what the booklet for
Yxy(12.7194, 0.1886, 0.0952)
contains.

Yxy(12.7402, 0.1886, 0.0953)	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(12.7402, 0.1886, 0.0953)

Conversions

Conversions Part 1

Format	Color
Hex	6A34FF
RGB	106, 52, 255
RGB Percent	42%, 20%, 100%
CMY	0.5846, 0.7958, 0.0000
CMYK	0.58, 0.80, 0.00, 0.00
HSL	256°, 100%, 60%
HSV	256°, 80%, 100%
XYZ	25.2130, 12.7402, 95.7320
YIQ	91.2880, -32.9790, 74.5810

Conversions

Conversions Part 2

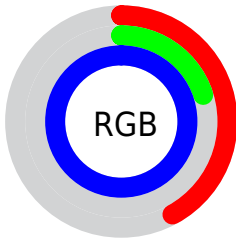
Format	Color
R _Y B	106, 52, 255
Decimal	6960383
CIE Lab	42.37, 69.68, -90.96
CIE LCh	42, 114.582, 307.451
Yxy	12.7402, 0.1886, 0.0953
Android (android.graphics.Color)	4285150463 (0xFF6A34FF)
YUV	91.2880, 80.7100, 12.9024
Hunter-Lab	35.6934, 63.6249, -134.0341

Details

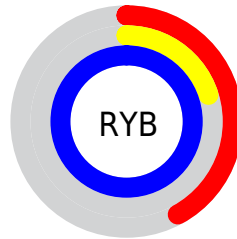
The Yxy color **12.7402, 0.1886, 0.0953** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **84.2012, 0.3757, 0.5229**, and the grayscale version is **10.3526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1860, 0.2443, 0.1599**, and **4.0570, 0.1506, 0.0603** is the 20% darker color. If you saturate the color by 10%, you get **10.0188, 0.1752, 0.0784**, and if you desaturate by 10%, it is **16.9403, 0.2047, 0.1189**.

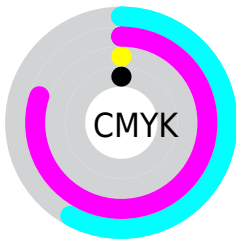
Distribution



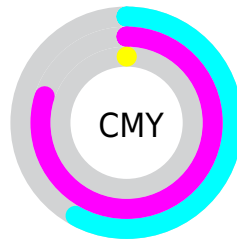
- Red (42%)
- Green (20%)
- Blue (100%)



- Red (42%)
- Yellow (20%)
- Blue (100%)



- Cyan (58%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7402, 0.1886, 0.0953 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 12.7402, 0.1886, 0.0953 by changing the saturation by 10% instead.


 12.7402, 0.1886,
0.0953


 12.7402, 0.1886,
0.0953


209.2459, 0.2588,
0.1997


 7.2499, 0.1709,
0.0757


 30.8362, 0.2147,
0.1287


 3.6189, 0.1490,
0.0546


 44.2108, 0.2245,
0.1427


 1.4627, 0.1220,
0.0332

 60.9822, 0.2326,
0.1551

 0.2623, 0.0900,
0.0094

 81.5348, 0.2395,
0.1661

 0.0000, 0.0534,
0.0000

 106.2531, 0.2454,
0.1759

 0.0000, 0.0000,
0.0000

 135.5215, 0.2505,

0.1847

169.7242, 0.2549,
0.1925

■ 12.7402, 0.1886,
0.0953

■ 12.7402, 0.1886,
0.0953

■ 10.0188, 0.1752,
0.0784

■ 16.9403, 0.2047,
0.1189

■ 8.4880, 0.1650,
0.0684

■ 22.8065, 0.2223,
0.1478

■ 8.4367, 0.1646,
0.0680

■ 30.4985, 0.2404,
0.1798

■ 40.1565, 0.2579,
0.2129

■ 51.9067, 0.2742,
0.2455

■ 65.8647, 0.2890,
0.2762

■ 82.1374, 0.3019,
0.3045

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



12.7402, 0.0894, 0.0791



12.7402, 0.1886, 0.0953



12.7402, 0.3919, 0.1438

Triad

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



12.7402, 0.1886, 0.0953



12.7402, 0.6064, 0.3936



12.7402, 0.0559, 0.3568

Complementary

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



12.7402, 0.1886, 0.0953



84.2012, 0.3757, 0.5229

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.



12.7402, 0.1340, 0.7249



12.7402, 0.1886, 0.0953



12.7402, 0.4419, 0.5581

Square

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



12.7402, 0.1886, 0.0953



12.7402, 0.7020, 0.2926



12.7402, 0.2643, 0.7357



12.7402, 0.0379, 0.1533

Rectangle

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



12.7402, 0.1886, 0.0953



12.7402, 0.5640, 0.1927



12.7402, 0.2643, 0.7357



12.7402, 0.0738, 0.4795

Sweetspot

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



12.7405, 0.1886, 0.0953



59.4223, 0.2827, 0.2629



51.2613, 0.2112, 0.2633



11.6752, 0.2773, 0.2518



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.7405, 0.1886, 0.0953



9.0809, 0.1693, 0.0723



22.5556, 0.2708, 0.1380



17.6108, 0.3020, 0.3047



4.4700, 0.1660, 0.0688



0.4857, 0.1772, 0.0750

Inverse Universe

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



27.9441, 0.3817, 0.2012



25.2904, 0.3985, 0.1986



74.6358, 0.3177, 0.5653



18.2132, 0.3179, 0.3117



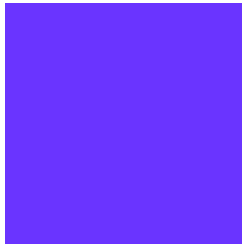
13.0169, 0.4020, 0.1988



1.2855, 0.3907, 0.1926

Previews

White Background



This preview shows how the Yxy color 12.7402, 0.1886, 0.0953 looks on a white background.

Color Contrast Check

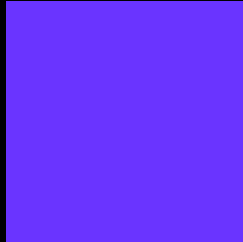
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7402, 0.1886, 0.0953 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 12.7402, 0.1886, 0.0953

Background



This preview shows how black text looks on a background with the Yxy color 12.7402, 0.1886, 0.0953.



This preview shows how white text looks on a background with the Yxy color 12.7402, 0.1886, 0.0953.

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

12.7402, 0.1886, 0.0953

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.4813, 0.1863, 0.1906



Tritanopia

12.6138, 0.2371, 0.3068

Trichromacy



Original Color

12.7402, 0.1886, 0.0953

Protanomaly

11.3891, 0.1712, 0.1164

Deuteranomaly

11.0363, 0.1769, 0.1331

Tritanomaly

10.9984, 0.2077, 0.1778

Monochromacy



Original Color

12.7402, 0.1886, 0.0953

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.0289, 0.2436, 0.1870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7402, 0.1886, 0.0953 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(106, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 52, 255)  
}
```

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(106, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 52, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.7402, 0.1886, 0.0953 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(106, 52, 255) }
```

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

```
.border{ border-color:rgb(106, 52, 255) }
```

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

Here you see how a box with a 4 pixel rgb(106, 52, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 52, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 52, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 52,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7402, 0.1886, 0.0953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 52, 255) }
```

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

```
.background{ background-color: rgb(106, 52,  
255) }
```

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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