

Converting Colors

$Yxy(12.6354, 0.1884, 0.0946)$

Have a look what the booklet for
Yxy(12.6354, 0.1884, 0.0946)
contains.

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Color

Yxy(12.6518, 0.1885, 0.0947)

Conversions

Conversions Part 1

Format	Color
Hex	6A33FF
RGB	106, 51, 255
RGB Percent	42%, 20%, 100%
CMY	0.5843, 0.8001, 0.0000
CMYK	0.58, 0.80, 0.00, 0.00
HSL	256°, 100%, 60%
HSV	256°, 80%, 100%
XYZ	25.1834, 12.6518, 95.7636
YIQ	90.7010, -32.7040, 75.1040

Conversions

Conversions Part 2

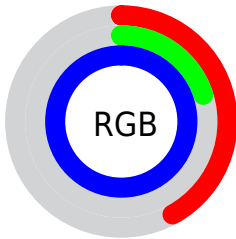
Format	Color
R _Y B	106, 51, 255
Decimal	6960127
CIE Lab	42.23, 70.13, -91.22
CIE LCh	42, 115.062, 307.555
Yxy	12.6518, 0.1885, 0.0947
Android (android.graphics.Color)	4285150207 (0xFF6A33FF)
YUV	90.7010, 80.9994, 13.4172
Hunter-Lab	35.5694, 64.1328, -134.7282

Details

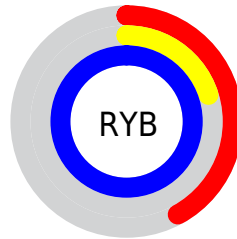
The Yxy color **12.6518, 0.1885, 0.0947** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **84.0332, 0.3752, 0.5240**, and the grayscale version is **10.2053, 0.3127, 0.3290**.

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 **9.9799, 0.1752, 0.0781**, and if you desaturate by 10%, it is **16.7849, 0.2045, 0.1181**.

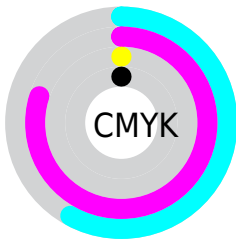
Distribution



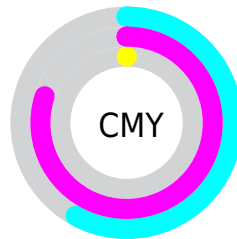
- Red (42%)
- Green (20%)
- Blue (100%)



- 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 12.6518, 0.1885, 0.0947 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 12.6518, 0.1885, 0.0947 by changing the saturation by 10% instead.

 12.6518, 0.1885,
0.0947


 12.6518, 0.1885,
0.0947


208.6739, 0.2588,
0.1992


 7.1892, 0.1708,
0.0751


 30.6768, 0.2147,
0.1281


 3.5807, 0.1488,
0.0540


 44.0080, 0.2245,
0.1421


 1.4419, 0.1218,
0.0327

 60.7309, 0.2326,
0.1545

 0.2473, 0.0898,
0.0089

 81.2298, 0.2395,
0.1656

 0.0000, 0.0532,
0.0000

 105.8891, 0.2454,
0.1754

 0.0000, 0.0000,
0.0000

 135.0934, 0.2505,

0.1842

169.2268, 0.2549,
0.1921

■ 12.6518, 0.1885,
0.0947

■ 12.6518, 0.1885,
0.0947

■ 9.9799, 0.1752,
0.0781

■ 16.7849, 0.2045,
0.1181

■ 8.4773, 0.1651,
0.0683

■ 22.5775, 0.2220,
0.1467

■ 30.1867, 0.2400,
0.1786

■ 39.7532, 0.2575,
0.2116

■ 51.4035, 0.2738,
0.2442

■ 65.2534, 0.2885,
0.2750

■ 81.4100, 0.3015,
0.3033

99.9733, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



12.6518, 0.0889, 0.0785



12.6518, 0.1885, 0.0947



12.6518, 0.3931, 0.1433

Triad

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



12.6518, 0.1885, 0.0947



12.6518, 0.6066, 0.3934



12.6518, 0.0549, 0.3555

Complementary

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



12.6518, 0.1885, 0.0947



84.0332, 0.3752, 0.5240

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.



12.6518, 0.1323, 0.7269



12.6518, 0.1885, 0.0947



12.6518, 0.4410, 0.5590

Square

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



12.6518, 0.1885, 0.0947



12.6518, 0.7036, 0.2921



12.6518, 0.2623, 0.7377



12.6518, 0.0373, 0.1520

Rectangle

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



12.6518, 0.1885, 0.0947



12.6518, 0.5662, 0.1922



12.6518, 0.2623, 0.7377



12.6518, 0.0725, 0.4789

Sweetspot

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



12.6489, 0.1885, 0.0947



59.4615, 0.2829, 0.2629



49.5057, 0.2097, 0.2582



11.6844, 0.2776, 0.2519



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.



12.6489, 0.1885, 0.0947



8.9874, 0.1688, 0.0717



22.9066, 0.2738, 0.1391



17.6147, 0.3021, 0.3047



4.4918, 0.1664, 0.0691



0.4883, 0.1777, 0.0753

Inverse Universe

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



27.7931, 0.3834, 0.2016



25.1542, 0.4010, 0.1996



74.3874, 0.3161, 0.5672



18.2118, 0.3180, 0.3118



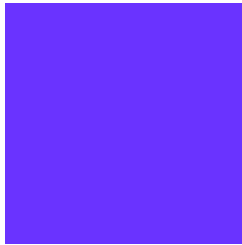
12.9923, 0.4036, 0.1997



1.2833, 0.3920, 0.1933

Previews

White Background



This preview shows how the Yxy color 12.6518, 0.1885, 0.0947 looks on a white background.

Color Contrast Check

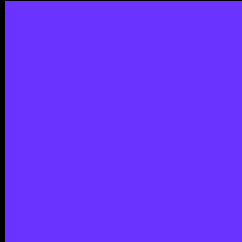
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6518, 0.1885, 0.0947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

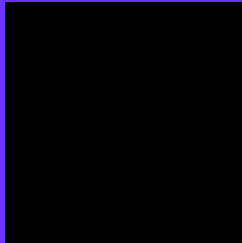
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6518, 0.1885, 0.0947

Background



This preview shows how black text looks on a background with the Yxy color 12.6518, 0.1885, 0.0947.



This preview shows how white text looks on a background with the Yxy color 12.6518, 0.1885, 0.0947.

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

12.6518, 0.1885, 0.0947

Protanopia

12.5828, 0.1748, 0.1494

Deuteranopia

12.4813, 0.1863, 0.1906



Tritanopia

12.5904, 0.2379, 0.3092

Trichromacy



Original Color

12.6518, 0.1885, 0.0947

Protanomaly

11.3891, 0.1712, 0.1164

Deuteranomaly

10.8821, 0.1765, 0.1316

Tritanomaly

10.8354, 0.2073, 0.1760

Monochromacy



Original Color

12.6518, 0.1885, 0.0947

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

9.8900, 0.2434, 0.1853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6518, 0.1885, 0.0947 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, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 51, 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, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.6518, 0.1885, 0.0947 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, 51, 255) }
```

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

```
.border{ border-color:rgb(106, 51, 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, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6518, 0.1885, 0.0947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 51, 255) }
```

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

```
.background{ background-color: rgb(106, 51,  
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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