

Converting Colors

$Y_{xy}(14.0054, 0.2020, 0.1017)$

Have a look what the booklet for
Yxy(14.0054, 0.2020, 0.1017)
contains.

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Color

Yxy(14.0233, 0.2022, 0.1018)

Conversions

Conversions Part 1

Format	Color
Hex	7E33FF
RGB	126, 51, 255
RGB Percent	49%, 20%, 100%
CMY	0.5055, 0.8005, 0.0000
CMYK	0.51, 0.80, 0.00, 0.00
HSL	262°, 100%, 60%
HSV	262°, 80%, 100%
XYZ	27.8537, 14.0233, 95.8764
YIQ	96.6810, -20.7840, 79.3440

Conversions

Conversions Part 2

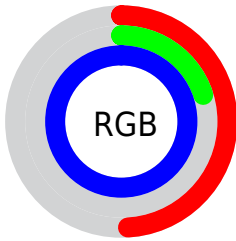
Format	Color
R _Y B	126, 51, 255
Decimal	8270847
CIE Lab	44.27, 72.34, -87.79
CIE LCh	44, 113.756, 309.491
Yxy	14.0233, 0.2022, 0.1018
Android (android.graphics.Color)	4286460927 (0xFF7E33FF)
YUV	96.6810, 78.0513, 25.7128
Hunter-Lab	37.4477, 67.2355, -125.5853

Details

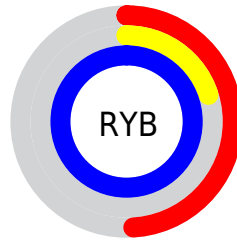
The Yxy color **14.0233, 0.2022, 0.1018** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **81.4344, 0.3615, 0.5340**, and the grayscale version is **11.6725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5542, 0.2596, 0.1673**, and **4.8434, 0.1673, 0.0695** is the 20% darker color. If you saturate the color by 10%, you get **11.2471, 0.1888, 0.0855**, and if you desaturate by 10%, it is **18.2113, 0.2174, 0.1243**.

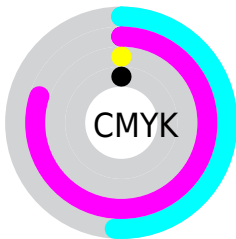
Distribution



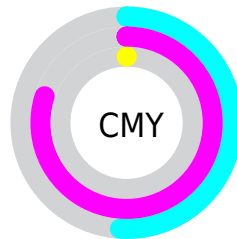
- Red (49%)
- Green (20%)
- Blue (100%)



- Red (49%)
- Yellow (20%)
- Blue (100%)



- Cyan (51%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0233, 0.2022, 0.1018 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 14.0233, 0.2022, 0.1018 by changing the saturation by 10% instead.


 14.0233, 0.2022,
0.1018


 14.0233, 0.2022,
0.1018


217.3757, 0.2655,
0.2033


 8.1369, 0.1859,
0.0824


 33.1304, 0.2260,
0.1345


 4.1827, 0.1654,
0.0612


 47.1198, 0.2348,
0.1481

 1.7763, 0.1396,
0.0391


 64.5790, 0.2421,
0.1601

 0.4723, 0.1078,
0.0164

 85.8924, 0.2483,
0.1708

 0.0000, 0.0701,
0.0000

 111.4444, 0.2536,
0.1803

 0.0000, 0.0117,
0.0000

 141.6193, 0.2581,

 0.0000, 0.0000,

0.1888

0.0000

176.8017, 0.2620,
0.1964

■ 14.0233, 0.2022,
0.1018

■ 14.0233, 0.2022,
0.1018

■ 11.2471, 0.1888,
0.0855

■ 18.2113, 0.2174,
0.1243

■ 9.5984, 0.1777,
0.0753

■ 24.0007, 0.2335,
0.1517

■ 31.5444, 0.2496,
0.1821

■ 40.9783, 0.2651,
0.2139

■ 52.4244, 0.2793,
0.2453

■ 65.9943, 0.2920,
0.2754

■ 81.7913, 0.3031,
0.3034

99.9119, 0.3127,
0.3289

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.



14.0233, 0.0979, 0.0836



14.0233, 0.2022, 0.1018



14.0233, 0.4070, 0.1527

Triad

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



14.0233, 0.2022, 0.1018



14.0233, 0.5932, 0.4068



14.0233, 0.0588, 0.3372

Complementary

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



14.0233, 0.2022, 0.1018



81.4344, 0.3615, 0.5340

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.



14.0233, 0.1345, 0.6896



14.0233, 0.2022, 0.1018



14.0233, 0.4315, 0.5685

Square

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



14.0233, 0.2022, 0.1018



14.0233, 0.6906, 0.3034



14.0233, 0.2631, 0.7369



14.0233, 0.0419, 0.1518

Rectangle

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



14.0233, 0.2022, 0.1018



14.0233, 0.5712, 0.2022



14.0233, 0.2631, 0.7369



14.0233, 0.0758, 0.4492

Sweetspot

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



14.0213, 0.2022, 0.1018



60.3676, 0.2871, 0.2637



40.6269, 0.2021, 0.2296



11.8987, 0.2826, 0.2530



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.



14.0213, 0.2022, 0.1018



10.1746, 0.1819, 0.0789



26.0363, 0.2938, 0.1495



17.7037, 0.3037, 0.3048



5.0927, 0.1793, 0.0762



0.5554, 0.1918, 0.0830

Inverse Universe

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



26.9037, 0.4113, 0.2185



24.1901, 0.4377, 0.2200



73.3819, 0.3084, 0.5729



18.1801, 0.3195, 0.3141



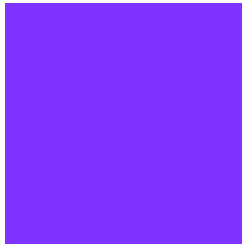
12.4836, 0.4416, 0.2206



1.2366, 0.4241, 0.2110

Previews

White Background



This preview shows how the Yxy color 14.0233, 0.2022, 0.1018 looks on a white background.

Color Contrast Check

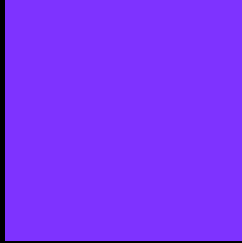
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0233, 0.2022, 0.1018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

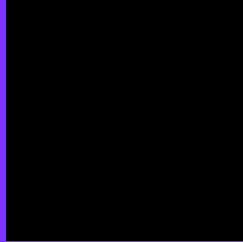
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.0233, 0.2022, 0.1018

Background



This preview shows how black text looks on a background with the Yxy color 14.0233, 0.2022, 0.1018.



This preview shows how white text looks on a background with the Yxy color 14.0233, 0.2022, 0.1018.

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

14.0233, 0.2022, 0.1018

Protanopia

14.0608, 0.1746, 0.1484

Deuteranopia

13.8928, 0.1856, 0.1882



Tritanopia

13.9645, 0.2752, 0.3111

Trichromacy



Original Color

14.0233, 0.2022, 0.1018



Protanomaly

12.3688, 0.1729, 0.1173



Deuteranomaly

12.0007, 0.1786, 0.1336



Tritanomaly

12.3731, 0.2378, 0.1868

Monochromacy



Original Color

14.0233, 0.2022, 0.1018



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.2586, 0.2562, 0.1938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0233, 0.2022, 0.1018 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(126, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 14.0233, 0.2022, 0.1018 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(126, 51, 255) }
```

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

```
.border{ border-color:rgb(126, 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(126, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 51, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 51, 255); box-shadow:4px 4px 4px 4px rgb(126, 51, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0233, 0.2022, 0.1018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 51, 255) }
```

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

```
.background{ background-color: rgb(126, 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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