

Converting Colors

$Y_{xy}(20.0210, 0.2150, 0.1467)$

Have a look what the booklet for
Yxy(20.0210, 0.2150, 0.1467)
contains.

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Color

Yxy(20.0210, 0.2150, 0.1467)

Conversions

Conversions Part 1

Format	Color
Hex	7E64F3
RGB	126, 100, 243
RGB Percent	49%, 39%, 95%
CMY	0.5057, 0.6079, 0.0471
CMYK	0.48, 0.59, 0.00, 0.05
HSL	251°, 86%, 67%
HSV	251°, 59%, 95%
XYZ	29.3423, 20.0210, 87.1125
YIQ	124.0760, -30.4070, 49.9850

Conversions

Conversions Part 2

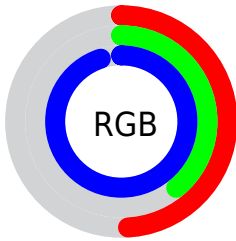
Format	Color
R _Y B	126, 100, 243
Decimal	8283379
CIE _{Lab}	51.86, 45.42, -68.67
CIE _{LCh}	52, 82.330, 303.484
Y _{xy}	20.0210, 0.2150, 0.1467
Android (android.graphics.Color)	4286473459 (0xFF7E64F3)
YUV	124.0760, 58.6295, 1.6873
Hunter-Lab	44.7448, 38.7514, -84.1087

Details

The Yxy color **20.0210, 0.2150, 0.1467** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **79.7667, 0.3773, 0.4781**, and the grayscale version is **19.9927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9908, 0.2608, 0.2116**, and **7.0579, 0.1829, 0.1063** is the 20% darker color. If you saturate the color by 10%, you get **14.6712, 0.1965, 0.1167**, and if you desaturate by 10%, it is **27.0617, 0.2343, 0.1798**.

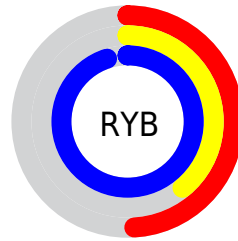
Distribution



Red (49%)

Green (39%)

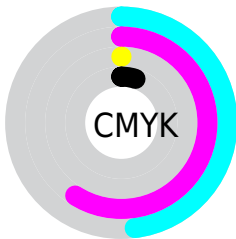
Blue (95%)



Red (49%)

Yellow (39%)

Blue (95%)

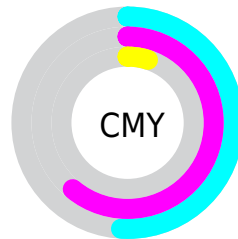


Cyan (48%)

Magenta (59%)

Yellow (0%)

Black (5%)



Cyan (51%)


Magenta (61%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0210, 0.2150, 0.1467 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 20.0210, 0.2150, 0.1467 by changing the saturation by 10% instead.


 20.0210, 0.2150,
0.1467


 20.0210, 0.2150,
0.1467


252.0288, 0.2688,
0.2330


 12.4103, 0.2010,
0.1280


 43.4524, 0.2352,
0.1761


 7.0238, 0.1832,
0.1061


 60.0419, 0.2426,
0.1878

 3.4770, 0.1602,
0.0807


 80.3931, 0.2488,
0.1979

 1.3855, 0.1303,
0.0524

 104.8904, 0.2541,
0.2068

 0.2060, 0.0930,
0.0137

133.9183, 0.2586,
0.2145

 0.0000, 0.0323,
0.0000

167.8610, 0.2625,

 0.0000, 0.0000,

0.2214

0.0000

207.1030, 0.2658,
0.2275

■ 20.0210, 0.2150,
0.1467

■ 20.0210, 0.2150,
0.1467

■ 14.6712, 0.1965,
0.1167

■ 27.0617, 0.2343,
0.1798

■ 10.8649, 0.1802,
0.0922

■ 35.9199, 0.2533,
0.2139

■ 8.4317, 0.1672,
0.0748

■ 46.7122, 0.2711,
0.2470

■ 7.1251, 0.1582,
0.0649

■ 59.5448, 0.2873,
0.2781

■ 7.0123, 0.1574,
0.0641

■ 74.5161, 0.3016,
0.3064

91.7180, 0.3141,
0.3318

99.2511, 0.3197,
0.3405

Harmonies

Analogous

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



20.0210, 0.1357, 0.1357



20.0210, 0.2150, 0.1467



20.0210, 0.3495, 0.1874

Triad

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



20.0210, 0.2150, 0.1467



20.0210, 0.5623, 0.4148



20.0210, 0.1365, 0.3864

Complementary

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



20.0210, 0.2150, 0.1467



79.7667, 0.3773, 0.4781

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.



20.0210, 0.2275, 0.5717



20.0210, 0.2150, 0.1467



20.0210, 0.4682, 0.5187

Square

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



20.0210, 0.2150, 0.1467



20.0210, 0.5889, 0.3291



20.0210, 0.3473, 0.6062



20.0210, 0.0982, 0.2305

Rectangle

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



20.0210, 0.2150, 0.1467



20.0210, 0.4565, 0.2292



20.0210, 0.3473, 0.6062



20.0210, 0.1612, 0.4538

Sweetspot

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



20.0216, 0.2150, 0.1467



67.6922, 0.2885, 0.2805



59.9295, 0.2333, 0.2987



13.5312, 0.2840, 0.2718



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.



20.0216, 0.2150, 0.1467



15.2319, 0.1925, 0.1104



27.2295, 0.2737, 0.1720



16.0718, 0.3008, 0.3047



3.8900, 0.1584, 0.0646



0.3811, 0.1690, 0.0704

Inverse Universe

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



33.1746, 0.3455, 0.2121



31.4263, 0.3544, 0.1958



71.2860, 0.3294, 0.5050



16.7135, 0.3166, 0.3099



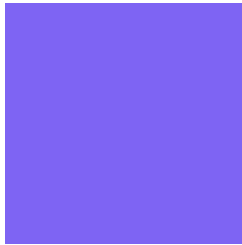
12.7330, 0.3731, 0.1829



1.1323, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 20.0210, 0.2150, 0.1467 looks on a white background.

Color Contrast Check

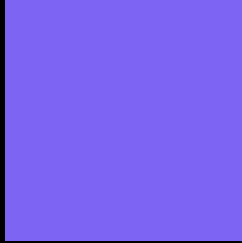
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.0210, 0.2150, 0.1467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

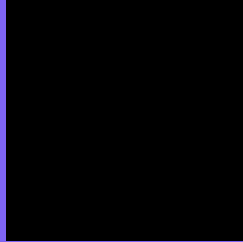
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0210, 0.2150, 0.1467

Background



This preview shows how black text looks on a background with the Yxy color 20.0210, 0.2150, 0.1467.



This preview shows how white text looks on a background with the Yxy color 20.0210, 0.2150, 0.1467.

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

20.0210, 0.2150, 0.1467

Protanopia

20.2855, 0.1735, 0.1447

Deuteranopia

20.0890, 0.1836, 0.1810



Tritanopia

19.8438, 0.2684, 0.3077

Trichromacy



Original Color

20.0210, 0.2150, 0.1467



Protanomaly

19.0087, 0.1779, 0.1407



Deuteranomaly

18.9049, 0.1848, 0.1625



Tritanomaly

19.3193, 0.2448, 0.2296

Monochromacy



Original Color

20.0210, 0.2150, 0.1467



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.4115, 0.2691, 0.2422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0210, 0.2150, 0.1467 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, 100, 243)` looks like.

```
.text, #text, p{  
    color:rgb(126, 100, 243)  
}
```

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, 100, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 100, 243) }
```

Border

The CSS property to change the border of an element to Yxy 20.0210, 0.2150, 0.1467 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, 100, 243) }
```

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

```
.border{ border-color:rgb(126, 100, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 100, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 100, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 100, 243);  
box-shadow:4px 4px 4px 4px rgb(126, 100,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0210, 0.2150, 0.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 100, 243) }
```

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

```
.background{ background-color: rgb(126,  
100, 243) }
```

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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