

Converting Colors

$Y_{xy}(12.4767, 0.1958, 0.1125)$

Have a look what the booklet for
Yxy(12.4767, 0.1958, 0.1125)
contains.

Yxy(12.5505, 0.1960, 0.1128)	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(12.5505, 0.1960, 0.1128)

Conversions

Conversions Part 1

Format	Color
Hex	6543E7
RGB	101, 67, 231
RGB Percent	40%, 26%, 91%
CMY	0.6037, 0.7375, 0.0940
CMYK	0.56, 0.71, 0.00, 0.09
HSL	252°, 77%, 58%
HSV	252°, 71%, 91%
XYZ	21.8076, 12.5505, 76.9052
YIQ	95.8620, -32.3800, 58.2120

Conversions

Conversions Part 2

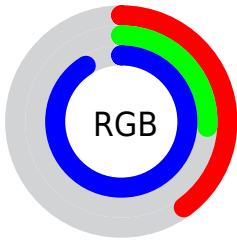
Format	Color
R _{YB}	101, 67, 231
Decimal	6636519
CIE Lab	42.08, 55.76, -77.98
CIE LCh	42, 95.864, 305.568
Yxy	12.5505, 0.1960, 0.1128
Android (android.graphics.Color)	4284826599 (0xFF6543E7)
YUV	95.8620, 66.6230, 4.5060
Hunter-Lab	35.4267, 47.8826, -103.9096

Details

The Yxy color **12.5505, 0.1960, 0.1128** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **69.4399, 0.3813, 0.5033**, and the grayscale version is **11.5028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9634, 0.2395, 0.1690**, and **3.5361, 0.1556, 0.0681** is the 20% darker color. If you saturate the color by 10%, you get **9.3902, 0.1802, 0.0897**, and if you desaturate by 10%, it is **17.0413, 0.2139, 0.1416**.

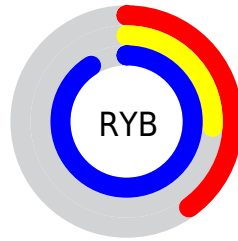
Distribution



Red (40%)

Green (26%)

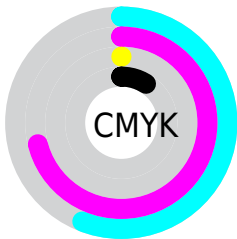
Blue (91%)



Red (40%)

Yellow (26%)

Blue (91%)

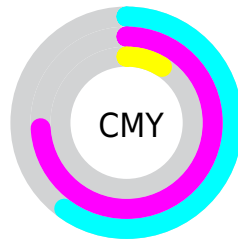


Cyan (56%)

Magenta (71%)

Yellow (0%)

Black (9%)



Cyan (60%)

Magenta (74%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5505, 0.1960, 0.1128 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 12.5505, 0.1960, 0.1128 by changing the saturation by 10% instead.

■ 12.5505, 0.1960,
0.1128

■ 12.5505, 0.1960,
0.1128

208.0164, 0.2631,
0.2153

■ 7.1198, 0.1782,
0.0917

■ 30.4938, 0.2216,
0.1472

■ 3.5371, 0.1556,
0.0681

■ 43.7752, 0.2309,
0.1611

■ 1.4182, 0.1269,
0.0428

■ 60.4423, 0.2387,
0.1732

■ 0.2300, 0.0920,
0.0117

■ 80.8794, 0.2452,
0.1838

■ 0.0000, 0.0476,
0.0000

■ 105.4710, 0.2507,
0.1931

■ 0.0000, 0.0000,
0.0000

134.6014, 0.2554,

0.2014

168.6551, 0.2595,
0.2087

■ 12.5505, 0.1960,
0.1128

■ 12.5505, 0.1960,
0.1128

■ 9.3902, 0.1802,
0.0897

■ 17.0413, 0.2139,
0.1416

■ 7.4045, 0.1677,
0.0737


■ 22.9924, 0.2328,
0.1739


■ 6.4012, 0.1595,
0.0653


■ 30.5189, 0.2514,
0.2075


■ 39.7239, 0.2690,
0.2406

■ 50.7017, 0.2850,
0.2719

 63.5395, 0.2992,
0.3007

 78.3188, 0.3116,
0.3265

 95.1161, 0.3222,
0.3495

 98.5519, 0.3267,
0.3522

Harmonies

Analogous

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



12.5505, 0.1043, 0.0983



12.5505, 0.1960, 0.1128



12.5505, 0.3705, 0.1589

Triad

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



12.5505, 0.1960, 0.1128



12.5505, 0.5964, 0.4036



12.5505, 0.0851, 0.3778

Complementary

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



12.5505, 0.1960, 0.1128



69.4399, 0.3813, 0.5033

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.



12.5505, 0.1748, 0.6655



12.5505, 0.1960, 0.1128



12.5505, 0.4590, 0.5410

Square

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



12.5505, 0.1960, 0.1128



12.5505, 0.6620, 0.3088



12.5505, 0.3086, 0.6914



12.5505, 0.0572, 0.1845

Rectangle

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



12.5505, 0.1960, 0.1128



12.5505, 0.5164, 0.2059



12.5505, 0.3086, 0.6914



12.5505, 0.1075, 0.4787

Sweetspot

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



12.5508, 0.1960, 0.1128



63.2875, 0.2848, 0.2716



47.4538, 0.2211, 0.2837



12.6824, 0.2806, 0.2632



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.



12.5508, 0.1960, 0.1128



10.4758, 0.1742, 0.0817



19.7026, 0.2684, 0.1482



14.0308, 0.3012, 0.3049



3.6299, 0.1607, 0.0659



0.3075, 0.1743, 0.0734

Inverse Universe

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



25.0319, 0.3594, 0.1998



27.3120, 0.3713, 0.1893



61.3051, 0.3250, 0.5410



14.5612, 0.3170, 0.3106



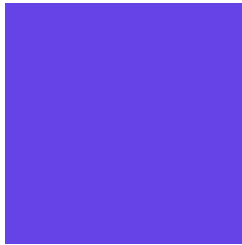
11.4588, 0.3815, 0.1875



0.8597, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 12.5505, 0.1960, 0.1128 looks on a white background.

Color Contrast Check

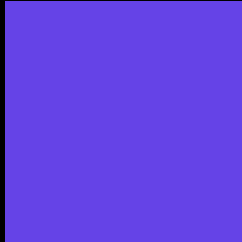
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5505, 0.1960, 0.1128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

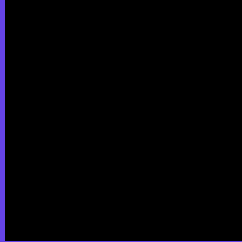
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5505, 0.1960, 0.1128

Background



This preview shows how black text looks on a background with the Yxy color 12.5505, 0.1960, 0.1128.



This preview shows how white text looks on a background with the Yxy color 12.5505, 0.1960, 0.1128.

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

12.5505, 0.1960, 0.1128

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.5199, 0.1859, 0.1894



Tritanopia

12.4454, 0.2465, 0.3070

Trichromacy



Original Color

12.5505, 0.1960, 0.1128

Protanomaly

11.6438, 0.1742, 0.1276

Deuteranomaly

11.4331, 0.1804, 0.1466

Tritanomaly

11.5445, 0.2206, 0.2000

Monochromacy



Original Color

12.5505, 0.1960, 0.1128

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.1380, 0.2539, 0.2111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5505, 0.1960, 0.1128 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(101, 67, 231)` looks like.

```
.text, #text, p{  
    color:rgb(101, 67, 231)  
}
```

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(101, 67, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 67, 231) }
```

Border

The CSS property to change the border of an element to Yxy 12.5505, 0.1960, 0.1128 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(101, 67, 231) }
```

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

```
.border{ border-color:rgb(101, 67, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 67, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 67, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 67, 231);  
box-shadow:4px 4px 4px 4px rgb(101, 67,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5505, 0.1960, 0.1128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 67, 231) }
```

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

```
.background{ background-color: rgb(101, 67,  
231) }
```

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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