

Converting Colors

$Y_{xy}(21.1501, 0.2132, 0.1732)$

Have a look what the booklet for
Yxy(21.1501, 0.2132, 0.1732)
contains.

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Color

Yxy(21.0459, 0.2131, 0.1731)

Conversions

Conversions Part 1

Format	Color
Hex	6A74E2
RGB	106, 116, 226
RGB Percent	42%, 45%, 89%
CMY	0.5845, 0.5450, 0.1138
CMYK	0.53, 0.49, 0.00, 0.11
HSL	235°, 67%, 65%
HSV	235°, 53%, 89%
XYZ	25.9092, 21.0459, 74.6272
YIQ	125.5500, -41.2700, 32.0900

Conversions

Conversions Part 2

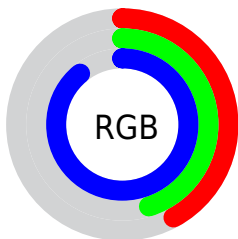
Format	Color
RYB	106, 115, 226
Decimal	6976738
CIELab	53.00, 26.78, -57.37
CIELCh	53, 63.316, 295.026
Yxy	21.0459, 0.2131, 0.1731
Android (android.graphics.Color)	4285166818 (0xFF6A74E2)
YUV	125.5500, 49.5219, -17.1453
Hunter-Lab	45.8758, 20.5284, -64.3353

Details

The Yxy color **21.0459, 0.2131, 0.1731** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **66.2681, 0.3949, 0.4475**, and the grayscale version is **20.5420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1178, 0.2481, 0.2258**, and **7.5079, 0.1806, 0.1325** is the 20% darker color. If you saturate the color by 10%, you get **15.5868, 0.1935, 0.1406**, and if you desaturate by 10%, it is **27.9344, 0.2338, 0.2066**.

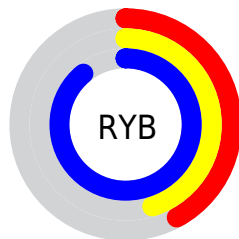
Distribution



Red (42%)

Green (45%)

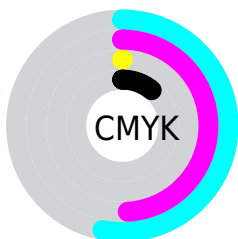
Blue (89%)



Red (42%)

Yellow (45%)

Blue (89%)

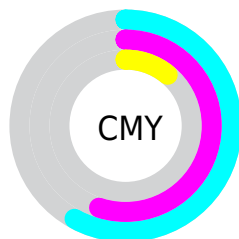


Cyan (53%)

Magenta (49%)

Yellow (0%)

Black (11%)



Cyan (58%)

Magenta (55%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0459, 0.2131, 0.1731 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 21.0459, 0.2131, 0.1731 by changing the saturation by 10% instead.

■ 21.0459, 0.2131,
0.1731

■ 21.0459, 0.2131,
0.1731

■ 257.5223, 0.2671,
0.2505

■ 13.1576, 0.1990,
0.1551

■ 45.1639, 0.2333,
0.2005

■ 7.5371, 0.1810,
0.1331

■ 62.1624, 0.2408,
0.2111

■ 3.8002, 0.1574,
0.1063

■ 82.9663, 0.2470,
0.2201

■ 1.5625, 0.1262,
0.0742

■ 107.9602, 0.2523,
0.2279

■ 0.3321, 0.0866,
0.0295

■ 137.5283, 0.2568,
0.2346

■ 0.0000, 0.0000,
0.0000

172.0551, 0.2607,

0.2406

211.9250, 0.2641,
0.2458

■ 21.0459, 0.2131,
0.1731

■ 21.0459, 0.2131,
0.1731

■ 15.5868, 0.1935,
0.1406

■ 27.9344, 0.2338,
0.2066

■ 11.4543, 0.1764,
0.1115

■ 36.3414, 0.2544,
0.2393

■ 8.5350, 0.1631,
0.0879

■ 46.3508, 0.2739,
0.2698


■ 6.6953, 0.1546,
0.0715

■ 58.0402, 0.2919,
0.2974

■ 5.9535, 0.1513,
0.0645

■ 71.4817, 0.3081,
0.3220

 86.7436, 0.3224,
0.3435

 98.2694, 0.3298,
0.3572

Harmonies

Analogous

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



21.0459, 0.1550, 0.1724



21.0459, 0.2131, 0.1731



21.0459, 0.3104, 0.2016

Triad

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



21.0459, 0.2131, 0.1731



21.0459, 0.5290, 0.3940



21.0459, 0.1929, 0.4150

Complementary

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



21.0459, 0.2131, 0.1731



66.2681, 0.3949, 0.4475

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.



21.0459, 0.2814, 0.5263



21.0459, 0.2131, 0.1731



21.0459, 0.4743, 0.4724

Square

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



21.0459, 0.2131, 0.1731



21.0459, 0.5171, 0.3205



21.0459, 0.3835, 0.5356



21.0459, 0.1427, 0.2856

Rectangle

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



21.0459, 0.2131, 0.1731



21.0459, 0.3903, 0.2343



21.0459, 0.3835, 0.5356



21.0459, 0.2190, 0.4598

Sweetspot

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



21.0466, 0.2131, 0.1731



71.4929, 0.2867, 0.2895



62.2922, 0.2504, 0.3446



14.6109, 0.2830, 0.2838



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.



21.0466, 0.2131, 0.1731



19.6874, 0.1910, 0.1365



22.6550, 0.2487, 0.1750



13.4271, 0.2981, 0.3068



3.4674, 0.1516, 0.0657



0.3053, 0.1559, 0.0811

Inverse Universe

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



27.7248, 0.4549, 0.3180



29.9096, 0.5051, 0.3172



64.8778, 0.3523, 0.4749



13.7191, 0.3279, 0.3271



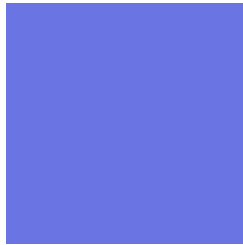
9.2581, 0.6304, 0.3246



0.6483, 0.6052, 0.3108

Previews

White Background



This preview shows how the Yxy color 21.0459, 0.2131, 0.1731 looks on a white background.

Color Contrast Check

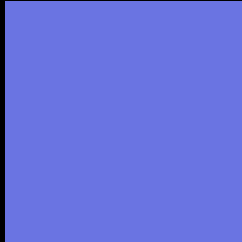
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0459, 0.2131, 0.1731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

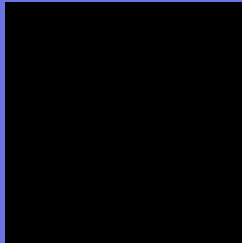
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0459, 0.2131, 0.1731

Background



This preview shows how black text looks on a background with the Yxy color 21.0459, 0.2131, 0.1731.



This preview shows how white text looks on a background with the Yxy color 21.0459, 0.2131, 0.1731.

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

21.0459, 0.2131, 0.1731

Protanopia

21.0474, 0.1936, 0.1694

Deuteranopia

21.1974, 0.1889, 0.1830



Tritanopia

21.0655, 0.2493, 0.3075

Trichromacy



Original Color

21.0459, 0.2131, 0.1731

Protanomaly

20.9851, 0.1995, 0.1704

Deuteranomaly

20.8539, 0.1943, 0.1784

Tritanomaly

20.6573, 0.2338, 0.2467

Monochromacy



Original Color

21.0459, 0.2131, 0.1731

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4496, 0.2685, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0459, 0.2131, 0.1731 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, 116, 226)` looks like.

```
.text, #text, p{  
    color:rgb(106, 116, 226)  
}
```

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, 116, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 116, 226) }
```

Border

The CSS property to change the border of an element to Yxy 21.0459, 0.2131, 0.1731 is called "border". The border property can be set on classes, ids or directly on the HTML element.

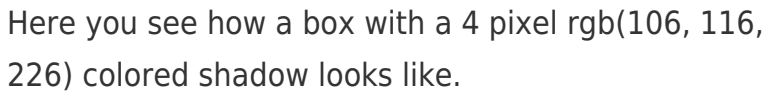
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 116, 226) }
```

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

```
.border{ border-color:rgb(106, 116, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 116, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 116, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 116, 226);  
box-shadow:4px 4px 4px 4px rgb(106, 116,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0459, 0.2131, 0.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 116, 226) }
```

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

```
.background{ background-color: rgb(106,  
116, 226) }
```

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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