

Converting Colors

$Y_{xy}(18.1827, 0.2146, 0.1547)$

Have a look what the booklet for
Yxy(18.1827, 0.2146, 0.1547)
contains.

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Color

Yxy(18.1827, 0.2146, 0.1547)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7264E2 |
| RGB | 114, 100, 226 |
| RGB Percent | 45%, 39%, 89% |
| CMY | 0.5529, 0.6078, 0.1137 |
| CMYK | 0.50, 0.56, 0.00, 0.11 |
| HSL | 247°, 68%, 64% |
| HSV | 247°, 56%, 89% |
| XYZ | 25.2231, 18.1827, 74.1295 |
| YIQ | 118.5500, -32.1020, 42.1540 |

Conversions

Conversions Part 2

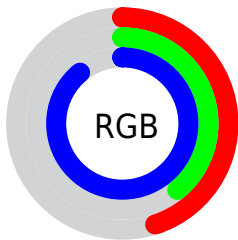
| Format | Color |
|-------------------------------------|------------------------------------------------|
| RYB | 114, 100, 226 |
| Decimal | 7496930 |
| CIELab | 49.72, 38.05, -62.64 |
| CIELCh | 50, 73.288, 301.274 |
| Yxy | 18.1827, 0.2146, 0.1547 |
| Android (android.graphics.Color) | 4285687010 (0xFF7264E2) |
| YUV | 118.5500, 52.9729, -3.9903 |
| Hunter-Lab | 42.6412, 30.9641, -73.2238 |

Details

The Yxy color **18.1827, 0.2146, 0.1547** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **69.3090, 0.3817, 0.4670**, and the grayscale version is **18.1367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1239, 0.2510, 0.2074**, and **6.1785, 0.1814, 0.1127** is the 20% darker color. If you saturate the color by 10%, you get **13.2302, 0.1952, 0.1229**, and if you desaturate by 10%, it is **24.6342, 0.2348, 0.1890**.

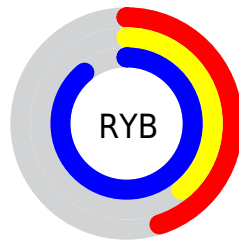
Distribution



Red (45%)

Green (39%)

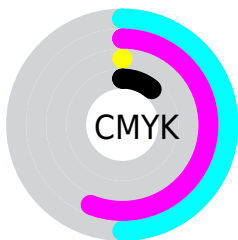
Blue (89%)



Red (45%)

Yellow (39%)

Blue (89%)

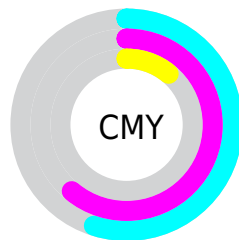


Cyan (50%)

Magenta (56%)

Yellow (0%)

Black (11%)



Cyan (55%)


Magenta (61%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1827, 0.2146, 0.1547 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 18.1827, 0.2146, 0.1547 by changing the saturation by 10% instead.


 18.1827, 0.2146,
0.1547


 18.1827, 0.2146,
0.1547


241.8988, 0.2693,
0.2402


 11.0812, 0.2000,
0.1354


 40.3484, 0.2354,
0.1846


 6.1215, 0.1812,
0.1123


 56.1814, 0.2430,
0.1962

 2.9191, 0.1565,
0.0849

 75.6937, 0.2493,
0.2062

 1.0896, 0.1239,
0.0538

 99.2698, 0.2546,
0.2148

 0.0000, 0.0839,
0.0000

127.2939, 0.2591,
0.2224

 0.0000, 0.0000,
0.0000

160.1505, 0.2630,

0.2290

198.2240, 0.2664,
0.2349

■ 18.1827, 0.2146,
0.1547

■ 18.1827, 0.2146,
0.1547

■ 13.2302, 0.1952,
0.1229

■ 24.6342, 0.2348,
0.1890

■ 9.6534, 0.1782,
0.0961

■ 32.6914, 0.2547,
0.2236

■ 7.3118, 0.1648,
0.0765


■ 42.4529, 0.2733,
0.2566


■ 6.0334, 0.1559,
0.0650


■ 54.0092, 0.2901,
0.2872

■ 5.6988, 0.1534,
0.0619

■ 67.4441, 0.3050,
0.3146

 82.8364, 0.3180,
0.3389

 98.1998, 0.3295,
0.3572

 98.2708, 0.3298,
0.3572

Harmonies

Analogous

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



18.1827, 0.1416, 0.1464



18.1827, 0.2146, 0.1547



18.1827, 0.3370, 0.1920

Triad

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



18.1827, 0.2146, 0.1547



18.1827, 0.5538, 0.4100



18.1827, 0.1534, 0.3962

Complementary

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



18.1827, 0.2146, 0.1547



69.3090, 0.3817, 0.4670

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.



18.1827, 0.2446, 0.5569



18.1827, 0.2146, 0.1547



18.1827, 0.4713, 0.5045

Square

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



18.1827, 0.2146, 0.1547



18.1827, 0.5675, 0.3279



18.1827, 0.3598, 0.5834



18.1827, 0.1110, 0.2473

Rectangle

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



18.1827, 0.2146, 0.1547



18.1827, 0.4353, 0.2313



18.1827, 0.3598, 0.5834



18.1827, 0.1789, 0.4565

Sweetspot

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



18.1833, 0.2146, 0.1547



68.8020, 0.2880, 0.2832



55.9894, 0.2391, 0.3122



14.0412, 0.2846, 0.2772



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.



18.1833, 0.2146, 0.1547



16.4750, 0.1921, 0.1179



23.7895, 0.2683, 0.1768



13.3158, 0.2998, 0.3049



3.2766, 0.1541, 0.0622



0.2519, 0.1639, 0.0676

Inverse Universe

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



30.0371, 0.3333, 0.2094



33.6814, 0.3385, 0.1914



61.8337, 0.3352, 0.4917



13.9080, 0.3155, 0.3084



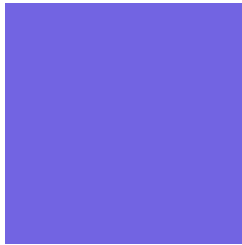
11.6384, 0.3509, 0.1707



0.8143, 0.3457, 0.1678

Previews

White Background



This preview shows how the Yxy color 18.1827, 0.2146, 0.1547 looks on a white background.

Color Contrast Check

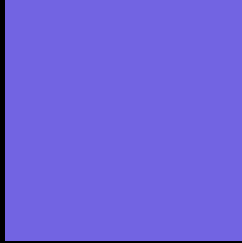
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1827, 0.2146, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

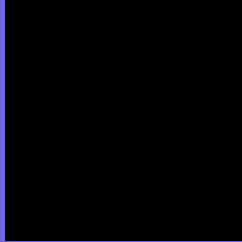
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1827, 0.2146, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 18.1827, 0.2146, 0.1547.



This preview shows how white text looks on a background with the Yxy color 18.1827, 0.2146, 0.1547.

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

18.1827, 0.2146, 0.1547

Protanopia

18.4957, 0.1751, 0.1465

Deuteranopia

18.1361, 0.1833, 0.1800



Tritanopia

18.1628, 0.2624, 0.3086

Trichromacy



Original Color

18.1827, 0.2146, 0.1547

Protanomaly

17.7235, 0.1815, 0.1460

Deuteranomaly

17.2395, 0.1852, 0.1662

Tritanomaly

17.5929, 0.2417, 0.2357

Monochromacy



Original Color

18.1827, 0.2146, 0.1547

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.8389, 0.2684, 0.2481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1827, 0.2146, 0.1547 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(114, 100, 226)` looks like.

```
.text, #text, p{  
    color:rgb(114, 100, 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(114, 100, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 100, 226) }
```

Border

The CSS property to change the border of an element to Yxy 18.1827, 0.2146, 0.1547 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(114, 100, 226) }
```

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

```
.border{ border-color:rgb(114, 100, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 100, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 100, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 100, 226); box-shadow:4px 4px 4px 4px rgb(114, 100, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1827, 0.2146, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 100, 226) }
```

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

```
.background{ background-color: rgb(114,  
100, 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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