

Converting Colors

$Y_{xy}(18.1441, 0.1911, 0.1278)$

Have a look what the booklet for
Yxy(18.1441, 0.1911, 0.1278)
contains.

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Color

Yxy(18.0725, 0.1908, 0.1275)

Conversions

Conversions Part 1

Format	Color
Hex	6060FF
RGB	96, 96, 255
RGB Percent	38%, 38%, 100%
CMY	0.6238, 0.6234, 0.0002
CMYK	0.62, 0.62, 0.00, 0.00
HSL	240°, 100%, 69%
HSV	240°, 62%, 100%
XYZ	27.0450, 18.0725, 96.6276
YIQ	114.1260, -51.0390, 49.4490

Conversions

Conversions Part 2

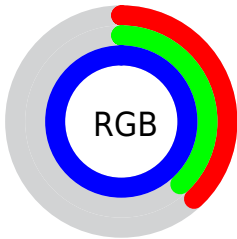
Format	Color
R _Y B	96, 96, 255
Decimal	6316287
CIE Lab	49.58, 46.18, -79.12
CIE LCh	50, 91.609, 300.269
Yxy	18.0725, 0.1908, 0.1275
Android (android.graphics.Color)	4284506367 (0xFF6060FF)
YUV	114.1260, 69.4509, -15.8965
Hunter-Lab	42.5118, 39.1618, -105.0057

Details

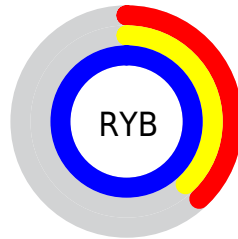
The Yxy color **18.0725, 0.1908, 0.1275** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.5211, 0.4002, 0.4735**, and the grayscale version is **16.6662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6645, 0.2425, 0.2003**, and **6.2278, 0.1578, 0.0879** is the 20% darker color. If you saturate the color by 10%, you get **12.9859, 0.1733, 0.0986**, and if you desaturate by 10%, it is **25.1141, 0.2113, 0.1613**.

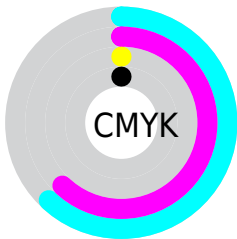
Distribution



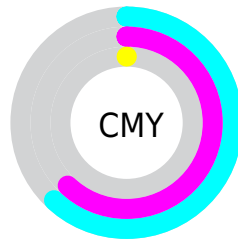
- Red (38%)
- Green (38%)
- Blue (100%)



- Red (38%)
- Yellow (38%)
- Blue (100%)



- Cyan (62%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0725, 0.1908, 0.1275 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 18.0725, 0.1908, 0.1275 by changing the saturation by 10% instead.


 18.0725, 0.1908,
0.1275

 18.0725, 0.1908,
0.1275


241.2794, 0.2565,
0.2210


 11.0021, 0.1746,
0.1083


 40.1608, 0.2149,
0.1587

 6.0682, 0.1545,
0.0863


 55.9475, 0.2239,
0.1713

 2.8866, 0.1295,
0.0619


 75.4083, 0.2316,
0.1823

 1.0728, 0.0989,
0.0364

 98.9278, 0.2381,
0.1920

 0.0000, 0.0640,
0.0000

126.8902, 0.2437,
0.2005

 0.0000, 0.0033,
0.0000

159.6800, 0.2485,

 0.0000, 0.0000,

0.2081

0.0000

197.6816, 0.2528,
0.2149

■ 18.0725, 0.1908,
0.1275

■ 18.0725, 0.1908,
0.1275

■ 12.9859, 0.1733,
0.0986

■ 25.1141, 0.2113,
0.1613

■ 9.6563, 0.1604,
0.0772

■ 34.2799, 0.2330,
0.1972

■ 7.8461, 0.1528,
0.0646

■ 45.7225, 0.2545,
0.2327

■ 7.2201, 0.1500,
0.0600

■ 59.5800, 0.2747,
0.2661

■ 75.9796, 0.2930,
0.2964

95.0395, 0.3092,
0.3232

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



18.0725, 0.1135, 0.1189



18.0725, 0.1908, 0.1275



18.0725, 0.3334, 0.1667

Triad

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



18.0725, 0.1908, 0.1275



18.0725, 0.5923, 0.3985



18.0725, 0.1226, 0.4176

Complementary

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



18.0725, 0.1908, 0.1275



93.5211, 0.4002, 0.4735

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.



18.0725, 0.2224, 0.6306



18.0725, 0.1908, 0.1275



18.0725, 0.4862, 0.5138

Square

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



18.0725, 0.1908, 0.1275



18.0725, 0.6192, 0.3107



18.0725, 0.3520, 0.6324



18.0725, 0.0807, 0.2274

Rectangle

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



18.0725, 0.1908, 0.1275



18.0725, 0.4564, 0.2091



18.0725, 0.3520, 0.6324



18.0725, 0.1499, 0.5001

Sweetspot

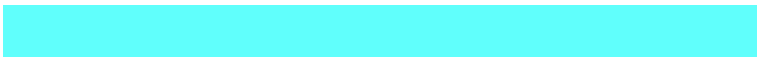
The Sweet Spot groups the original color and five complimentary colors.



18.0730, 0.1908, 0.1275



64.8426, 0.2811, 0.2767



81.0188, 0.2383, 0.3319



12.9232, 0.2756, 0.2677



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.



18.0730, 0.1908, 0.1275



11.9531, 0.1694, 0.0922



24.4329, 0.2447, 0.1517



17.3795, 0.2978, 0.3044



3.7751, 0.1500, 0.0600



0.3682, 0.1501, 0.0601

Inverse Universe

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



30.4509, 0.5141, 0.3295



25.2673, 0.5739, 0.3297



81.8076, 0.3473, 0.5052



17.9873, 0.3295, 0.3290



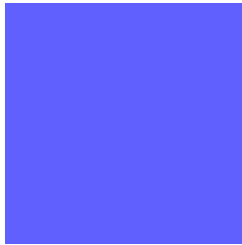
11.1091, 0.6400, 0.3299



1.0817, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 18.0725, 0.1908, 0.1275 looks on a white background.

Color Contrast Check

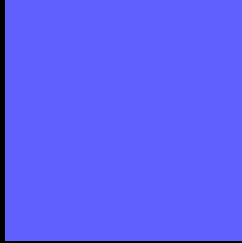
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0725, 0.1908, 0.1275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

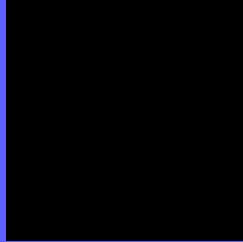
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0725, 0.1908, 0.1275

Background



This preview shows how black text looks on a background with the Yxy color 18.0725, 0.1908, 0.1275.



This preview shows how white text looks on a background with the Yxy color 18.0725, 0.1908, 0.1275.

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

18.0725, 0.1908, 0.1275

Protanopia

18.0422, 0.1739, 0.1460

Deuteranopia

17.8892, 0.1848, 0.1851



Tritanopia

17.8853, 0.2244, 0.3052

Trichromacy



Original Color

18.0725, 0.1908, 0.1275

Protanomaly

17.4653, 0.1746, 0.1359

Deuteranomaly

17.1080, 0.1808, 0.1559

Tritanomaly

16.9122, 0.2049, 0.2115

Monochromacy



Original Color

18.0725, 0.1908, 0.1275

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.3578, 0.2506, 0.2263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0725, 0.1908, 0.1275 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(96, 96, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 96, 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(96, 96, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 96, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.0725, 0.1908, 0.1275 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(96, 96, 255) }
```

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

```
.border{ border-color:rgb(96, 96, 255) }
```

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

Here you see how a box with a 4 pixel rgb(96, 96, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 96, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 96, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 96,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0725, 0.1908, 0.1275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 96, 255) }
```

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

```
.background{ background-color: rgb(96, 96,  
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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