

# Converting Colors

$Yxy(18.2626, 0.1828, 0.1297)$

Have a look what the booklet for  
Yxy(18.2626, 0.1828, 0.1297)  
contains.

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# Color

**Yxy(18.2186, 0.1827, 0.1295)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4B66FF
RGB	75, 102, 255
RGB Percent	29%, 40%, 100%
CMY	0.7058, 0.6000, 0.0000
CMYK	0.71, 0.60, 0.00, 0.00
HSL	231°, 100%, 65%
HSV	231°, 71%, 100%
XYZ	25.7030, 18.2186, 96.7626
YIQ	111.3690, -65.2050, 41.8590

# Conversions

## Conversions Part 2

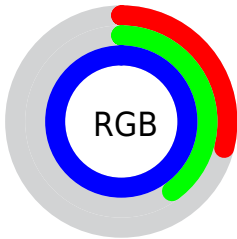
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 98, 255
Decimal	4941567
CIE Lab	49.76, 39.89, -78.91
CIE LCh	50, 88.413, 296.816
Yxy	18.2186, 0.1827, 0.1295
Android (android.graphics.Color)	4283131647 (0xFF4B66FF)
YUV	111.3690, 70.8101, -31.8956
Hunter-Lab	42.6833, 32.7934, -104.5317

# Details

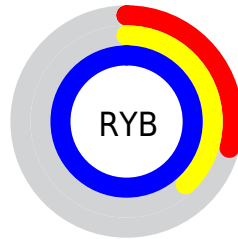
The Yxy color **18.2186, 0.1827, 0.1295** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **77.2667, 0.4248, 0.4672**, and the grayscale version is **15.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9318, 0.2323, 0.2039**, and **6.8596, 0.1599, 0.0954** is the 20% darker color. If you saturate the color by 10%, you get **13.6701, 0.1685, 0.1036**, and if you desaturate by 10%, it is **24.2935, 0.2002, 0.1593**.

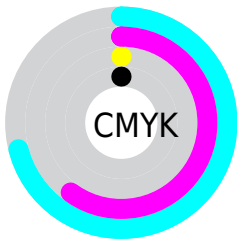
# Distribution



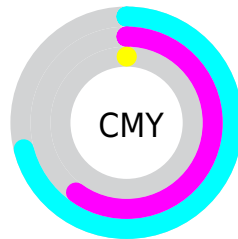
- Red (29%)
- Green (40%)
- Blue (100%)



- Red (29%)
- Yellow (38%)
- Blue (100%)



- Cyan (71%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (71%)
- Magenta (60%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2186, 0.1827, 0.1295 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 18.2186, 0.1827, 0.1295 by changing the saturation by 10% instead.





 18.2186, 0.1827,  
0.1295


 18.2186, 0.1827,  
0.1295


242.1003, 0.2518,  
0.2228


 11.1070, 0.1659,  
0.1101


 40.4095, 0.2078,  
0.1608


 6.1389, 0.1453,  
0.0880


 56.2576, 0.2173,  
0.1734

 2.9297, 0.1200,  
0.0633

 75.7866, 0.2253,  
0.1843

 1.0951, 0.0894,  
0.0375

 99.3811, 0.2322,  
0.1940

 0.0000, 0.0554,  
0.0000

127.4252, 0.2381,  
0.2025

 0.0000, 0.0000,  
0.0000

160.3036, 0.2433,

0.2100

198.4005, 0.2478,  
0.2168

■ 18.2186, 0.1827,  
0.1295

■ 18.2186, 0.1827,  
0.1295

■ 13.6701, 0.1685,  
0.1036

■ 24.2935, 0.2002,  
0.1593

■ 10.5054, 0.1584,  
0.0833

■ 32.0166, 0.2197,  
0.1909

■ 8.6194, 0.1529,  
0.0703

■ 41.4988, 0.2399,  
0.2225

■ 52.8405, 0.2598,  
0.2527

■ 66.1348, 0.2787,  
0.2806

■ 81.4683, 0.2961,  
0.3056

98.9223, 0.3119,  
0.3278

99.9995, 0.3127,  
0.3290

# Harmonies

## Analogous

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



18.2186, 0.1123, 0.1246



18.2186, 0.1827, 0.1295



18.2186, 0.3141, 0.1648

# Triad

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



18.2186, 0.1827, 0.1295



18.2186, 0.5933, 0.3890



18.2186, 0.1371, 0.4418

# Complementary

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



18.2186, 0.1827, 0.1295



77.2667, 0.4248, 0.4672

# 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.



18.2186, 0.2414, 0.6295



18.2186, 0.1827, 0.1295



18.2186, 0.5002, 0.4998

# Square

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



18.2186, 0.1827, 0.1295



18.2186, 0.6050, 0.3047



18.2186, 0.3701, 0.6137



18.2186, 0.0883, 0.2471



# Rectangle

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



18.2186, 0.1827, 0.1295



18.2186, 0.4311, 0.2047



18.2186, 0.3701, 0.6137



18.2186, 0.1666, 0.5192

# Sweetspot

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



18.2190, 0.1827, 0.1295



65.5343, 0.2779, 0.2794



78.6134, 0.2426, 0.3622



13.2035, 0.2728, 0.2720



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.



18.2190, 0.1827, 0.1295



12.1093, 0.1635, 0.0938



17.6604, 0.2140, 0.1217



17.8169, 0.2979, 0.3081



4.6348, 0.1534, 0.0721



0.5747, 0.1580, 0.0889



# Inverse Universe

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



27.2540, 0.5197, 0.3069



23.1138, 0.5797, 0.3111



83.2307, 0.3636, 0.5150



18.0314, 0.3271, 0.3255



11.1958, 0.6198, 0.3188

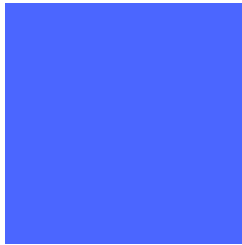


1.1026, 0.5929, 0.3040



# Previews

## White Background



This preview shows how the Yxy color 18.2186, 0.1827, 0.1295 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

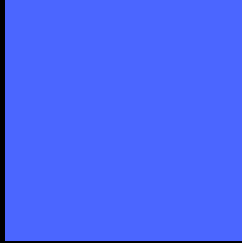
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 18.2186, 0.1827, 0.1295 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

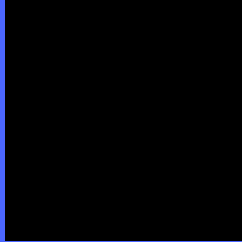
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.2186, 0.1827, 0.1295**

## **Background**



This preview shows how black text looks on a background with the Yxy color 18.2186, 0.1827, 0.1295.

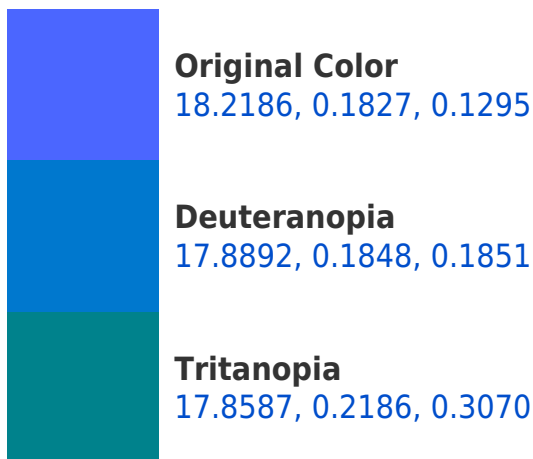


This preview shows how white text looks on a background with the Yxy color 18.2186, 0.1827, 0.1295.

# 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



# Trichromacy



## Original Color

18.2186, 0.1827, 0.1295

## Deuteranomaly

17.4251, 0.1800, 0.1583

## Tritanomaly

17.0434, 0.1967, 0.2147

# Monochromacy



## Original Color

18.2186, 0.1827, 0.1295

## Achromatopsia

15.8961, 0.3127, 0.3290

## Achromatomaly

15.9661, 0.2437, 0.2287

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.2186, 0.1827, 0.1295 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(75, 102, 255)` looks like.

```
.text, #text, p{  
  color:rgb(75, 102, 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(75, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 102, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 18.2186, 0.1827, 0.1295 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(75, 102, 255) }
```

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

```
.border{ border-color:rgb(75, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 102,  
255) }
```

# Background

The CSS property to change the background color of an element to Yxy 18.2186, 0.1827, 0.1295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 102, 255) }
```

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

```
.background{ background-color: rgb(75, 102,  
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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