

Converting Colors

$Y_{xy}(25.1000, 0.1835, 0.1665)$

Have a look what the booklet for
Yxy(25.1000, 0.1835, 0.1665)
contains.

Yxy(25.0194, 0.1834, 0.1661)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.0194, 0.1834, 0.1661)

Conversions

Conversions Part 1

Format	Color
Hex	2987FF
RGB	41, 135, 255
RGB Percent	16%, 53%, 100%
CMY	0.8396, 0.4706, 0.0000
CMYK	0.84, 0.47, 0.00, 0.00
HSL	214°, 100%, 58%
HSV	214°, 84%, 100%
XYZ	27.6253, 25.0194, 97.9839
YIQ	120.5740, -94.5440, 17.3920

Conversions

Conversions Part 2

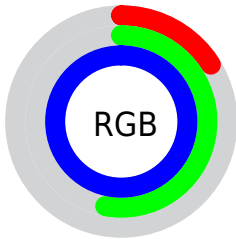
Format	Color
R _Y B	41, 106, 255
Decimal	2721791
CIE Lab	57.09, 16.14, -67.07
CIE LCh	57, 68.981, 283.531
Yxy	25.0194, 0.1834, 0.1661
Android (android.graphics.Color)	4280911871 (0xFF2987FF)
YUV	120.5740, 66.2720, -69.7864
Hunter-Lab	50.0194, 11.0500, -81.1306

Details

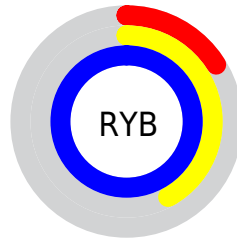
The Yxy color **25.0194, 0.1834, 0.1661** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **46.8717, 0.4964, 0.4280**, and the grayscale version is **18.7739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3974, 0.2290, 0.2455**, and **10.6868, 0.1713, 0.1365** is the 20% darker color. If you saturate the color by 10%, you get **20.9311, 0.1748, 0.1460**, and if you desaturate by 10%, it is **29.9823, 0.1947, 0.1876**.

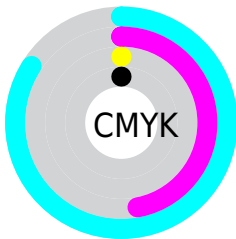
Distribution



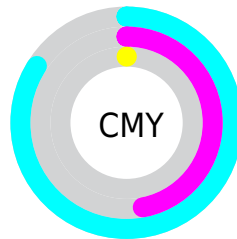
- Red (16%)
- Green (53%)
- Blue (100%)



- Red (16%)
- Yellow (42%)
- Blue (100%)



- Cyan (84%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (84%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0194, 0.1834, 0.1661 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 25.0194, 0.1834, 0.1661 by changing the saturation by 10% instead.


 25.0194, 0.1834,
0.1661


 25.0194, 0.1834,
0.1661


277.9345, 0.2490,
0.2447


 16.0915, 0.1679,
0.1486


 51.6887, 0.2068,
0.1933

 9.5889, 0.1489,
0.1277


 70.1989, 0.2158,
0.2040

 5.1273, 0.1256,
0.1029


 92.6720, 0.2234,
0.2132

 2.3221, 0.0970,
0.0740

 119.4923, 0.2300,
0.2212

 0.7854, 0.0634,
0.0423

 151.0444, 0.2357,
0.2282

 0.0000, 0.0089,
0.0000

187.7125, 0.2407,

 0.0000, 0.0000,

0.2344

0.0000

229.8811, 0.2451,
0.2398

■ 25.0194, 0.1834,
0.1661

■ 25.0194, 0.1834,
0.1661

■ 20.9311, 0.1748,
0.1460

■ 29.9823, 0.1947,
0.1876

■ 18.8273, 0.1708,
0.1348

■ 35.8953, 0.2083,
0.2097

■ 42.8241, 0.2236,
0.2317

■ 50.8269, 0.2401,
0.2529

■ 59.9563, 0.2571,
0.2730

■ 70.2613, 0.2741,
0.2915

■ 81.7871, 0.2907,
0.3084

■ 94.5768, 0.3066,
0.3235

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.0194, 0.1389, 0.1771



25.0194, 0.1834, 0.1661



25.0194, 0.2675, 0.1846

Triad

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



25.0194, 0.1834, 0.1661



25.0194, 0.5393, 0.3647



25.0194, 0.2205, 0.4705

Complementary

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



25.0194, 0.1834, 0.1661



46.8717, 0.4964, 0.4280

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.



25.0194, 0.3196, 0.5492



25.0194, 0.1834, 0.1661



25.0194, 0.5049, 0.4434

Square

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



25.0194, 0.1834, 0.1661



25.0194, 0.4962, 0.2926



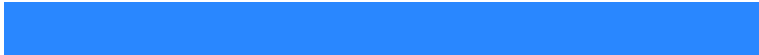
25.0194, 0.4221, 0.5200



25.0194, 0.1532, 0.3304

Rectangle

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



25.0194, 0.1834, 0.1661



25.0194, 0.3444, 0.2118



25.0194, 0.4221, 0.5200



25.0194, 0.2515, 0.5090

Sweetspot

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



25.0198, 0.1834, 0.1661



69.1336, 0.2724, 0.2897



74.4807, 0.2646, 0.4594



14.0026, 0.2664, 0.2833



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.



25.0198, 0.1834, 0.1661



18.8273, 0.1708, 0.1348



9.5187, 0.1617, 0.0761



18.6916, 0.2979, 0.3153



10.1232, 0.1716, 0.1378



1.1988, 0.1777, 0.1597

Inverse Universe

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



24.5886, 0.4823, 0.2556



22.4318, 0.5261, 0.2672



90.9653, 0.4080, 0.5045



18.1197, 0.3225, 0.3186



11.7499, 0.5220, 0.2649



1.1656, 0.4935, 0.2492

Previews

White Background



This preview shows how the Yxy color 25.0194, 0.1834, 0.1661 looks on a white background.

Color Contrast Check

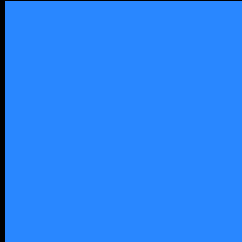
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0194, 0.1834, 0.1661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

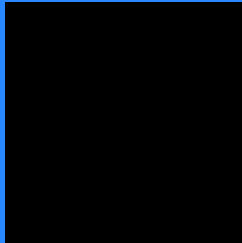
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

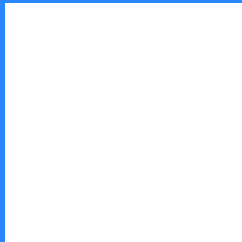
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.0194, 0.1834, 0.1661

Background



This preview shows how black text looks on a background with the Yxy color 25.0194, 0.1834, 0.1661.



This preview shows how white text looks on a background with the Yxy color 25.0194, 0.1834, 0.1661.

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

25.0194, 0.1834, 0.1661

Protanopia

24.9866, 0.1922, 0.1676

Deuteranopia

24.9969, 0.1831, 0.1790



Tritanopia

24.7064, 0.2194, 0.3097

Trichromacy



Original Color

25.0194, 0.1834, 0.1661

Protanomaly

24.8910, 0.1883, 0.1668

Deuteranomaly

25.0558, 0.1827, 0.1745

Tritanomaly

24.2925, 0.2023, 0.2436

Monochromacy



Original Color

25.0194, 0.1834, 0.1661

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.0993, 0.2387, 0.2508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0194, 0.1834, 0.1661 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(41, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 135, 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(41, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.0194, 0.1834, 0.1661 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(41, 135, 255) }
```

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

```
.border{ border-color:rgb(41, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 135,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0194, 0.1834, 0.1661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 135, 255) }
```

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

```
.background{ background-color: rgb(41, 135,  
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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