

Converting Colors

$Y_{xy}(12.9263, 0.1633, 0.0993)$

Have a look what the booklet for
Yxy(12.9263, 0.1633, 0.0993)
contains.

Yxy(12.9157, 0.1633, 0.0992)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.9157, 0.1633, 0.0992)

Conversions

Conversions Part 1

Format	Color
Hex	1C4EFF
RGB	28, 78, 255
RGB Percent	11%, 31%, 100%
CMY	0.8897, 0.6942, 0.0000
CMYK	0.89, 0.69, 0.00, 0.00
HSL	227°, 100%, 56%
HSV	227°, 89%, 100%
XYZ	21.2614, 12.9157, 96.0215
YIQ	83.2280, -86.6170, 44.4470

Conversions

Conversions Part 2

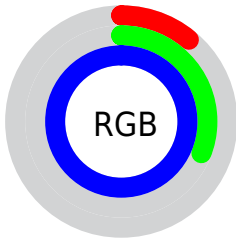
Format	Color
R _Y B	28, 69, 255
Decimal	1855231
CIE Lab	42.64, 50.78, -90.70
CIE LCh	43, 103.944, 299.244
Yxy	12.9157, 0.1633, 0.0992
Android (android.graphics.Color)	4280045311 (0xFF1C4EFF)
YUV	83.2280, 84.6836, -48.4350
Hunter-Lab	35.9384, 42.7097, -133.2561

Details

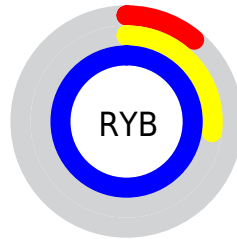
The Yxy color **12.9157, 0.1633, 0.0992** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **65.0824, 0.4564, 0.4691**, and the grayscale version is **8.5408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5363, 0.2129, 0.1678**, and **5.1753, 0.1542, 0.0749** is the 20% darker color. If you saturate the color by 10%, you get **10.2700, 0.1563, 0.0819**, and if you desaturate by 10%, it is **16.7040, 0.1743, 0.1218**.

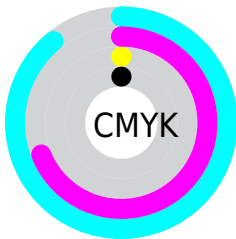
Distribution



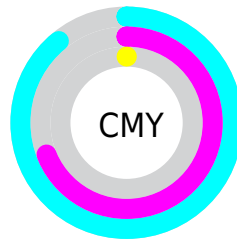
- Red (11%)
- Green (31%)
- Blue (100%)



- Red (11%)
- Yellow (27%)
- Blue (100%)



- Cyan (89%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9157, 0.1633, 0.0992 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 12.9157, 0.1633, 0.0992 by changing the saturation by 10% instead.


 12.9157, 0.1633,
0.0992


 12.9157, 0.1633,
0.0992


210.3767, 0.2440,
0.2042


 7.3705, 0.1441,
0.0791


 31.1523, 0.1925,
0.1332


 3.6949, 0.1210,
0.0573


 44.6124, 0.2036,
0.1473

 1.5044, 0.0937,
0.0350

 61.4797, 0.2130,
0.1598

 0.2918, 0.0629,
0.0107

 82.1385, 0.2211,
0.1708

 0.0000, 0.0282,
0.0000

 106.9732, 0.2280,
0.1806

 0.0000, 0.0000,
0.0000

136.3682, 0.2341,

0.1893

170.7079, 0.2393,
0.1972

■ 12.9157, 0.1633,
0.0992

■ 12.9157, 0.1633,
0.0992

■ 10.2700, 0.1563,
0.0819

■ 16.7040, 0.1743,
0.1218

■ 10.0504, 0.1557,
0.0804

■ 21.7886, 0.1888,
0.1483

■ 28.2802, 0.2061,
0.1773

■ 36.2790, 0.2250,
0.2070

■ 45.8753, 0.2444,
0.2361

■ 57.1523, 0.2636,
0.2634

■ 70.1870, 0.2818,
0.2885

■ 85.0517, 0.2987,
0.3110

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.



12.9157, 0.0849, 0.0908



12.9157, 0.1633, 0.0992



12.9157, 0.3262, 0.1384

Triad

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



12.9157, 0.1633, 0.0992



12.9157, 0.6276, 0.3724



12.9157, 0.0866, 0.4466

Complementary

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



12.9157, 0.1633, 0.0992



65.0824, 0.4564, 0.4691

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.



12.9157, 0.1871, 0.7283



12.9157, 0.1633, 0.0992



12.9157, 0.4914, 0.5086

Square

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



12.9157, 0.1633, 0.0992



12.9157, 0.6777, 0.2842



12.9157, 0.3266, 0.6734



12.9157, 0.0507, 0.2023

Rectangle

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



12.9157, 0.1633, 0.0992



12.9157, 0.4806, 0.1827



12.9157, 0.3266, 0.6734



12.9157, 0.1133, 0.5631

Sweetspot

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



12.9127, 0.1633, 0.0992



59.5799, 0.2672, 0.2686



76.0359, 0.2455, 0.3980



11.8617, 0.2608, 0.2596



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.



12.9127, 0.1633, 0.0992



10.0504, 0.1557, 0.0804



10.1617, 0.1761, 0.0793



18.0247, 0.2979, 0.3099



5.4297, 0.1563, 0.0827



0.6815, 0.1618, 0.1026

Inverse Universe

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



22.6460, 0.5739, 0.3020



21.5457, 0.6063, 0.3114



83.1400, 0.3751, 0.5344



18.0524, 0.3260, 0.3238



11.2761, 0.6026, 0.3093



1.1133, 0.5720, 0.2925

Previews

White Background



This preview shows how the Yxy color 12.9157, 0.1633, 0.0992 looks on a white background.

Color Contrast Check

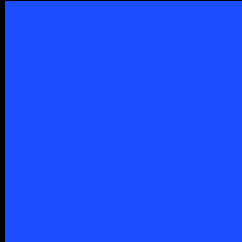
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9157, 0.1633, 0.0992 looks on a black 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

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

Yxy 12.9157, 0.1633, 0.0992

Background



This preview shows how black text looks on a background with the Yxy color 12.9157, 0.1633, 0.0992.



This preview shows how white text looks on a background with the Yxy color 12.9157, 0.1633, 0.0992.

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

12.9157, 0.1633, 0.0992

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.4813, 0.1863, 0.1906



Tritanopia

12.6532, 0.2204, 0.3136

Trichromacy



Original Color

12.9157, 0.1633, 0.0992

Protanomaly

12.4297, 0.1690, 0.1254

Deuteranomaly

12.1575, 0.1744, 0.1442

Tritanomaly

11.7782, 0.1878, 0.1913

Monochromacy



Original Color

12.9157, 0.1633, 0.0992

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.0169, 0.2139, 0.1894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9157, 0.1633, 0.0992 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(28, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 78, 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(28, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 78, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.9157, 0.1633, 0.0992 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(28, 78, 255) }
```

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

```
.border{ border-color:rgb(28, 78, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 78, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 78,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9157, 0.1633, 0.0992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 78, 255) }
```

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

```
.background{ background-color: rgb(28, 78,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor