

Converting Colors

$Y_{xy}(19.7078, 0.1099, 0.1132)$

Have a look what the booklet for
Yxy(19.7078, 0.1099, 0.1132)
contains.

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Color

Yxy(24.5479, 0.1790, 0.1645)

Conversions

Conversions Part 1

Format	Color
Hex	0087FF
RGB	0, 135, 255
RGB Percent	0%, 53%, 100%
CMY	1.0000, 0.4706, 0.0000
CMYK	1.00, 0.47, 0.00, 0.00
HSL	208°, 100%, 50%
HSV	208°, 100%, 100%
XYZ	26.7117, 24.5479, 97.9678
YIQ	108.3150, -118.9800, 8.7000

Conversions

Conversions Part 2

Format	Color
R _{YB}	0, 88, 255
Decimal	34815
CIE _{Lab}	56.63, 14.44, -67.85
CIE _{LCh}	57, 69.372, 282.014
Yxy	24.5479, 0.1790, 0.1645
Android (android.graphics.Color)	4278224895 (0xFF0087FF)
YUV	108.3150, 72.3157, -94.9923
Hunter-Lab	49.5458, 9.5297, -82.5530

Details

The Yxy color **24.5479, 0.1790, 0.1645** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **34.6908, 0.5524, 0.3996**, and the grayscale version is **14.9092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6312, 0.2240, 0.2445**, and **10.8476, 0.1717, 0.1381** is the 20% darker color. If you saturate the color by 10%, you get **24.5505, 0.1791, 0.1645**, and if you desaturate by 10%, it is **28.3031, 0.1855, 0.1817**.

Distribution



- Red (0%)
- Green (53%)
- Blue (100%)



- Red (0%)
- Yellow (35%)
- Blue (100%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5479, 0.1790, 0.1645 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 24.5479, 0.1790, 0.1645 by changing the saturation by 10% instead.


 24.5479, 0.1790,
0.1645


 24.5479, 0.1790,
0.1645


275.5789, 0.2467,
0.2441


 15.7405, 0.1631,
0.1468


 50.9228, 0.2031,
0.1920


 9.3407, 0.1438,
0.1257


 69.2592, 0.2123,
0.2029

 4.9641, 0.1200,
0.1006

 91.5407, 0.2202,
0.2122

 2.2262, 0.0913,
0.0716

 118.1517, 0.2270,
0.2203

 0.7342, 0.0580,
0.0399

 149.4766, 0.2329,
0.2274

 0.0000, 0.0000,
0.0000

185.8999, 0.2381,

0.2336

227.8058, 0.2426,
0.2392

■ 24.5479, 0.1790,
0.1645

■ 24.5479, 0.1790,
0.1645

■ 24.5505, 0.1791,
0.1645

■ 28.3031, 0.1855,
0.1817

■ 32.7226, 0.1942,
0.1998

■ 37.9053, 0.2053,
0.2184

■ 43.9140, 0.2183,
0.2370

■ 50.8028, 0.2329,
0.2551

■ 58.6197, 0.2486,
0.2724

■ 67.4087, 0.2648,
0.2885

■ 77.2102, 0.2811,
0.3034

■ 88.0621, 0.2971,
0.3169

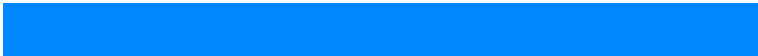
Harmonies

Analogous

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



24.5479, 0.1361, 0.1772



24.5479, 0.1790, 0.1645



24.5479, 0.2616, 0.1818

Triad

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



24.5479, 0.1790, 0.1645



24.5479, 0.5415, 0.3607



24.5479, 0.2238, 0.4790

Complementary

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



24.5479, 0.1790, 0.1645



34.6908, 0.5524, 0.3996

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.



24.5479, 0.3246, 0.5528



24.5479, 0.1790, 0.1645



24.5479, 0.5097, 0.4397

Square

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



24.5479, 0.1790, 0.1645



24.5479, 0.4940, 0.2885



24.5479, 0.4275, 0.5182



24.5479, 0.1539, 0.3370

Rectangle

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



24.5479, 0.1790, 0.1645



24.5479, 0.3383, 0.2082



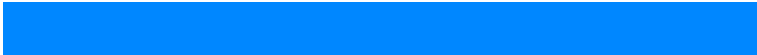
24.5479, 0.4275, 0.5182



24.5479, 0.2555, 0.5166

Sweetspot

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



24.5505, 0.1791, 0.1645



67.4087, 0.2648, 0.2885



72.8519, 0.2765, 0.5152



13.6091, 0.2579, 0.2819



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.



24.5505, 0.1791, 0.1645



7.4045, 0.1504, 0.0614



18.9700, 0.2979, 0.3175



13.1299, 0.1798, 0.1673



1.4973, 0.1853, 0.1870

Inverse Universe

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



23.0095, 0.4874, 0.2459



87.4761, 0.4254, 0.5005



18.1478, 0.3211, 0.3165



12.0534, 0.4839, 0.2440



1.1957, 0.4602, 0.2309

Previews

White Background



This preview shows how the Yxy color 24.5479, 0.1790, 0.1645 looks on a white background.

Color Contrast Check

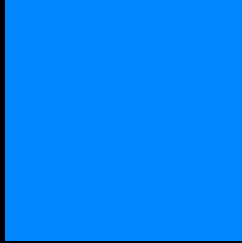
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5479, 0.1790, 0.1645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

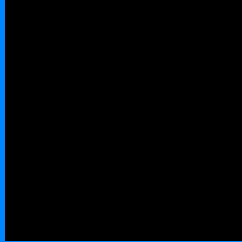
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

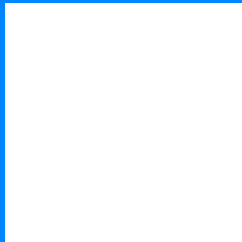
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.5479, 0.1790, 0.1645

Background



This preview shows how black text looks on a background with the Yxy color 24.5479, 0.1790, 0.1645.



This preview shows how white text looks on a background with the Yxy color 24.5479, 0.1790, 0.1645.

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

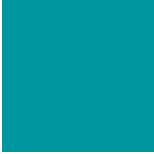
24.5479, 0.1790, 0.1645

Protanopia

24.5754, 0.1915, 0.1668

Deuteranopia

24.5878, 0.1832, 0.1793



Tritanopia

24.3508, 0.2193, 0.3096

Trichromacy



Original Color

24.5479, 0.1790, 0.1645

Protanomaly

24.1116, 0.1841, 0.1647

Deuteranomaly

24.6067, 0.1816, 0.1736

Tritanomaly

24.1909, 0.2009, 0.2433

Monochromacy



Original Color

24.5479, 0.1790, 0.1645

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.7953, 0.2249, 0.2459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5479, 0.1790, 0.1645 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(0, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.5479, 0.1790, 0.1645 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(0, 135, 255) }
```

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

```
.border{ border-color:rgb(0, 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(0, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 24.5479, 0.1790, 0.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 255) }
```

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

```
.background{ background-color: rgb(0, 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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