

Converting Colors

$Yxy(17.9691, 0.1751, 0.1503)$

Have a look what the booklet for
Yxy(17.9691, 0.1751, 0.1503)
contains.

Yxy(18.0328, 0.1751, 0.1503)	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(18.0328, 0.1751, 0.1503)

Conversions

Conversions Part 1

Format	Color
Hex	0072EB
RGB	0, 114, 235
RGB Percent	0%, 45%, 92%
CMY	0.9995, 0.5529, 0.0786
CMYK	1.00, 0.51, 0.00, 0.08
HSL	211°, 100%, 46%
HSV	211°, 100%, 92%
XYZ	21.0083, 18.0328, 80.9376
YIQ	93.7080, -106.7850, 13.4630

Conversions

Conversions Part 2

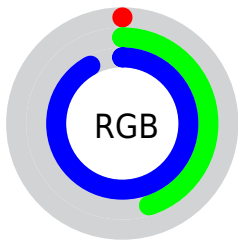
Format	Color
RYB	0, 77, 235
Decimal	29419
CIELab	49.54, 19.83, -68.18
CIELCh	50, 71.005, 286.216
Yxy	18.0328, 0.1751, 0.1503
Android (android.graphics.Color)	4278219499 (0xFF0072EB)
YUV	93.7080, 69.6570, -82.1819
Hunter-Lab	42.4650, 13.9935, -83.2802

Details

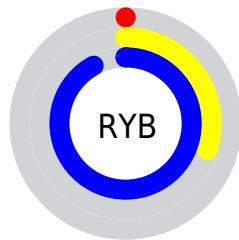
The Yxy color **18.0328, 0.1751, 0.1503** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **31.3482, 0.5384, 0.4107**, and the grayscale version is **10.9828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2561, 0.2151, 0.2133**, and **7.2287, 0.1667, 0.1200** is the 20% darker color. If you saturate the color by 10%, you get **18.0176, 0.1751, 0.1502**, and if you desaturate by 10%, it is **21.1353, 0.1821, 0.1685**.

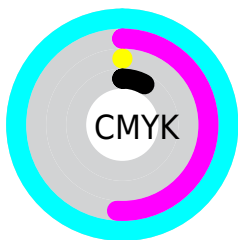
Distribution



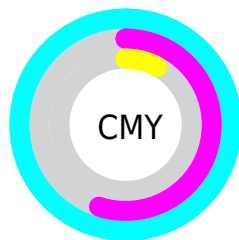
- Red (0%)
- Green (45%)
- Blue (92%)



- Red (0%)
- Yellow (30%)
- Blue (92%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (55%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0328, 0.1751, 0.1503 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 18.0328, 0.1751, 0.1503 by changing the saturation by 10% instead.


 18.0328, 0.1751,
0.1503


 18.0328, 0.1751,
0.1503


241.0559, 0.2478,
0.2389

 10.9735, 0.1573,
0.1304


 40.0932, 0.2016,
0.1813


 6.0490, 0.1354,
0.1067


 55.8631, 0.2116,
0.1933

 2.8749, 0.1084,
0.0791

 75.3054, 0.2201,
0.2037

 1.0668, 0.0759,
0.0486

 98.8045, 0.2273,
0.2127

 0.0000, 0.0360,
0.0000

 126.7446, 0.2335,
0.2205

 0.0000, 0.0000,
0.0000

159.5103, 0.2389,

0.2274

197.4859, 0.2436,
0.2335

■ 18.0328, 0.1751,
0.1503

■ 18.0328, 0.1751,
0.1503

■ 18.0176, 0.1751,
0.1502

■ 21.1353, 0.1821,
0.1685

■ 24.8407, 0.1913,
0.1880

■ 29.2336, 0.2030,
0.2081

■ 34.3683, 0.2167,
0.2284

■ 40.2916, 0.2319,
0.2483

■ 47.0459, 0.2481,
0.2672

■ 54.6695, 0.2646,
0.2849

■ 63.1981, 0.2812,
0.3012

■ 72.6651, 0.2973,
0.3159

Harmonies

Analogous

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



18.0328, 0.1246, 0.1578



18.0328, 0.1751, 0.1503



18.0328, 0.2710, 0.1729

Triad

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



18.0328, 0.1751, 0.1503



18.0328, 0.5663, 0.3683



18.0328, 0.1974, 0.4808

Complementary

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



18.0328, 0.1751, 0.1503



31.3482, 0.5384, 0.4107

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.



18.0328, 0.3034, 0.5821



18.0328, 0.1751, 0.1503



18.0328, 0.5153, 0.4554

Square

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



18.0328, 0.1751, 0.1503



18.0328, 0.5303, 0.2917



18.0328, 0.4171, 0.5459



18.0328, 0.1304, 0.3141

Rectangle

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



18.0328, 0.1751, 0.1503



18.0328, 0.3600, 0.2035



18.0328, 0.4171, 0.5459



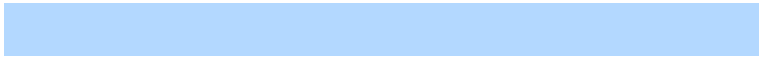
18.0328, 0.2299, 0.5299

Sweetspot

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



18.0333, 0.1751, 0.1503



65.6508, 0.2643, 0.2846



60.6900, 0.2731, 0.5032



13.1937, 0.2573, 0.2772



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.



18.0333, 0.1751, 0.1503



21.5511, 0.1749, 0.1494



5.9993, 0.1500, 0.0600



15.7547, 0.2981, 0.3165



10.2851, 0.1759, 0.1530



0.9996, 0.1829, 0.1786

Inverse Universe

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



18.8727, 0.5055, 0.2559



22.7067, 0.5066, 0.2565



77.0472, 0.4193, 0.5052



15.1758, 0.3217, 0.3176



10.5311, 0.5020, 0.2539



0.8463, 0.4702, 0.2364

Previews

White Background



This preview shows how the Yxy color 18.0328, 0.1751, 0.1503 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 18.0328, 0.1751, 0.1503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

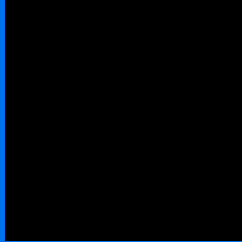
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

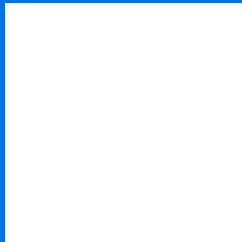
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.0328, 0.1751, 0.1503

Background



This preview shows how black text looks on a background with the Yxy color 18.0328, 0.1751, 0.1503.



This preview shows how white text looks on a background with the Yxy color 18.0328, 0.1751, 0.1503.

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

18.0328, 0.1751, 0.1503

Protanopia

18.1258, 0.1793, 0.1513

Deuteranopia

17.9870, 0.1842, 0.1830



Tritanopia

17.8002, 0.2198, 0.3113

Trichromacy



Original Color

18.0328, 0.1751, 0.1503

Protanomaly

17.9329, 0.1770, 0.1504

Deuteranomaly

18.0188, 0.1806, 0.1701

Tritanomaly

17.4324, 0.1985, 0.2346

Monochromacy



Original Color

18.0328, 0.1751, 0.1503

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.3124, 0.2215, 0.2346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0328, 0.1751, 0.1503 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, 114, 235)` looks like.

```
.text, #text, p{  
  color:rgb(0, 114, 235)  
}
```

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, 114, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 235) }
```

Border

The CSS property to change the border of an element to Yxy 18.0328, 0.1751, 0.1503 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, 114, 235) }
```

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

```
.border{ border-color:rgb(0, 114, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0328, 0.1751, 0.1503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 235) }
```

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

```
.background{ background-color: rgb(0, 114,  
235) }
```

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