

Converting Colors

$Yxy(17.5941, 0.1241, 0.1519)$

Have a look what the booklet for
Yxy(17.5941, 0.1241, 0.1519)
contains.

Yxy(22.4056, 0.1812, 0.1724)	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(22.4056, 0.1812, 0.1724)

Conversions

Conversions Part 1

Format	Color
Hex	0083EE
RGB	0, 131, 238
RGB Percent	0%, 51%, 93%
CMY	1.0000, 0.4863, 0.0665
CMYK	1.00, 0.45, 0.00, 0.07
HSL	207°, 100%, 47%
HSV	207°, 100%, 93%
XYZ	23.5493, 22.4056, 84.0080
YIQ	104.0290, -112.4230, 5.5050

Conversions

Conversions Part 2

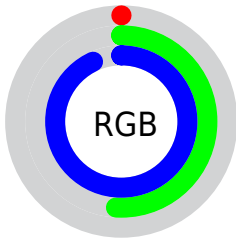
Format	Color
R _{YB}	0, 84, 238
Decimal	33774
CIE _{Lab}	54.45, 10.35, -61.96
CIE _{LCh}	54, 62.821, 279.487
Y _{xy}	22.4056, 0.1812, 0.1724
Android (android.graphics.Color)	4278223854 (0xFF0083EE)
YUV	104.0290, 66.0477, -91.2334
Hunter-Lab	47.3346, 5.9695, -72.0920

Details

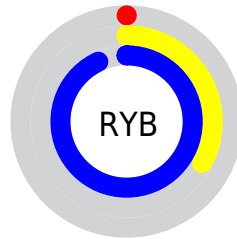
The Yxy color **22.4056, 0.1812, 0.1724** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **28.7097, 0.5580, 0.3952**, and the grayscale version is **13.6964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2751, 0.2208, 0.2375**, and **9.5227, 0.1735, 0.1445** is the 20% darker color. If you saturate the color by 10%, you get **22.4093, 0.1812, 0.1724**, and if you desaturate by 10%, it is **25.6268, 0.1876, 0.1890**.

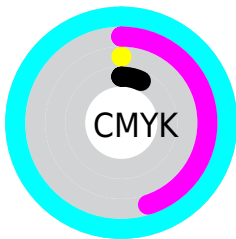
Distribution



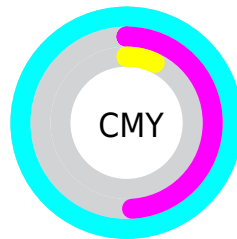
- Red (0%)
- Green (51%)
- Blue (93%)



- Red (0%)
- Yellow (33%)
- Blue (93%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (49%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4056, 0.1812, 0.1724 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 22.4056, 0.1812, 0.1724 by changing the saturation by 10% instead.

■ 22.4056, 0.1812,
0.1724

■ 22.4056, 0.1812,
0.1724

■ 264.6572, 0.2491,
0.2506

■ 14.1552, 0.1648,
0.1543

■ 47.4155, 0.2057,
0.2001

■ 8.2287, 0.1446,
0.1323

■ 64.9437, 0.2150,
0.2107

■ 4.2416, 0.1194,
0.1057

■ 86.3334, 0.2229,
0.2198

■ 1.8096, 0.0886,
0.0742

■ 111.9690, 0.2296,
0.2277

■ 0.4932, 0.0526,
0.0359

■ 142.2347, 0.2355,
0.2346

■ 0.0000, 0.0000,
0.0000

177.5151, 0.2406,

0.2406

218.1944, 0.2451,
0.2459

■ 22.4056, 0.1812,
0.1724

■ 22.4056, 0.1812,
0.1724

■ 22.4093, 0.1812,
0.1724

■ 25.6268, 0.1876,
0.1890

■ 29.3852, 0.1961,
0.2063

■ 33.7669, 0.2069,
0.2240

■ 38.8233, 0.2196,
0.2416

■ 44.5990, 0.2339,
0.2588

■ 51.1332, 0.2492,
0.2752

■ 58.4621, 0.2652,
0.2905

■ 66.6187, 0.2813,
0.3047

■ 75.6341, 0.2972,
0.3175

Harmonies

Analogous

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



22.4056, 0.1426, 0.1880



22.4056, 0.1812, 0.1724



22.4056, 0.2570, 0.1866

Triad

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



22.4056, 0.1812, 0.1724



22.4056, 0.5272, 0.3557



22.4056, 0.2377, 0.4771

Complementary

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



22.4056, 0.1812, 0.1724



28.7097, 0.5580, 0.3952

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.



22.4056, 0.3349, 0.5380



22.4056, 0.1812, 0.1724



22.4056, 0.5050, 0.4307

Square

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



22.4056, 0.1812, 0.1724



22.4056, 0.4750, 0.2863



22.4056, 0.4316, 0.5039



22.4056, 0.1670, 0.3483

Rectangle

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



22.4056, 0.1812, 0.1724



22.4056, 0.3276, 0.2107



22.4056, 0.4316, 0.5039



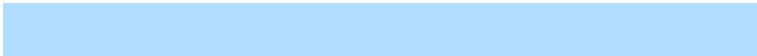
22.4056, 0.2686, 0.5091

Sweetspot

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



22.4093, 0.1812, 0.1724



68.2461, 0.2650, 0.2904



62.1587, 0.2793, 0.5253



13.8075, 0.2582, 0.2840



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.



22.4093, 0.1812, 0.1724



26.0737, 0.1811, 0.1718



6.5425, 0.1509, 0.0632



16.6709, 0.2980, 0.3181



12.7590, 0.1820, 0.1750



1.2599, 0.1881, 0.1970

Inverse Universe

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



19.8240, 0.4777, 0.2405



23.1633, 0.4784, 0.2409



70.5219, 0.4317, 0.4954



15.9044, 0.3207, 0.3161



11.0814, 0.4746, 0.2388



0.9419, 0.4487, 0.2246

Previews

White Background



This preview shows how the Yxy color 22.4056, 0.1812, 0.1724 looks on a white background.

Color Contrast Check

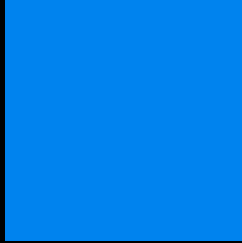
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4056, 0.1812, 0.1724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

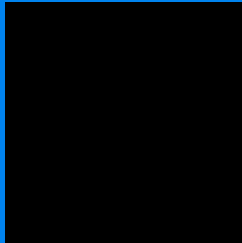
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

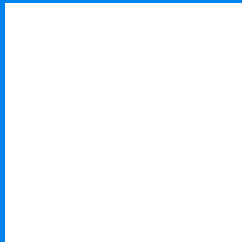
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4056, 0.1812, 0.1724

Background



This preview shows how black text looks on a background with the Yxy color 22.4056, 0.1812, 0.1724.



This preview shows how white text looks on a background with the Yxy color 22.4056, 0.1812, 0.1724.

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

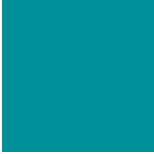
22.4056, 0.1812, 0.1724

Protanopia

22.4246, 0.1980, 0.1754

Deuteranopia

22.3857, 0.1829, 0.1783



Tritanopia

22.2796, 0.2191, 0.3089

Trichromacy



Original Color

22.4056, 0.1812, 0.1724

Protanomaly

22.1146, 0.1881, 0.1731

Deuteranomaly

22.5007, 0.1824, 0.1765

Tritanomaly

21.9680, 0.2018, 0.2464

Monochromacy



Original Color

22.4056, 0.1812, 0.1724

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.4928, 0.2264, 0.2503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4056, 0.1812, 0.1724 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, 131, 238)` looks like.

```
.text, #text, p{  
  color:rgb(0, 131, 238)  
}
```

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, 131, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 238) }
```

Border

The CSS property to change the border of an element to Yxy 22.4056, 0.1812, 0.1724 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, 131, 238) }
```

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

```
.border{ border-color:rgb(0, 131, 238) }
```

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

Here you see how a box with a 4 pixel rgb(0, 131, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4056, 0.1812, 0.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 238) }
```

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

```
.background{ background-color: rgb(0, 131,  
238) }
```

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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