

Converting Colors

$Yxy(23.2438, 0.1799, 0.1576)$

Have a look what the booklet for
Yxy(23.2438, 0.1799, 0.1576)
contains.

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Color

Yxy(23.2438, 0.1799, 0.1576)

Conversions

Conversions Part 1

Format	Color
Hex	2181FF
RGB	33, 129, 255
RGB Percent	13%, 51%, 100%
CMY	0.8699, 0.4942, 0.0000
CMYK	0.87, 0.49, 0.00, 0.00
HSL	214°, 100%, 57%
HSV	214°, 87%, 100%
XYZ	26.5327, 23.2438, 97.7095
YIQ	114.6600, -97.6620, 18.8340

Conversions

Conversions Part 2

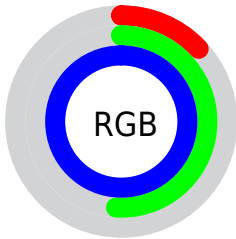
Format	Color
R _Y B	33, 100, 255
Decimal	2195967
CIE Lab	55.32, 19.35, -69.94
CIE LCh	55, 72.568, 285.466
Yxy	23.2438, 0.1799, 0.1576
Android (android.graphics.Color)	4280386047 (0xFF2181FF)
YUV	114.6600, 69.1876, -71.6158
Hunter-Lab	48.2118, 13.8644, -86.4130

Details

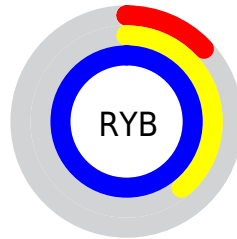
The Yxy color **23.2438, 0.1799, 0.1576** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **46.2279, 0.5009, 0.4292**, and the grayscale version is **16.8592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2608, 0.2257, 0.2361**, and **9.9161, 0.1691, 0.1288** is the 20% darker color. If you saturate the color by 10%, you get **19.4178, 0.1721, 0.1380**, and if you desaturate by 10%, it is **27.9268, 0.1905, 0.1789**.

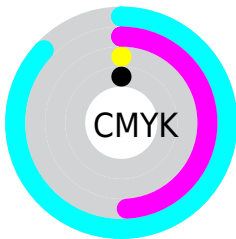
Distribution



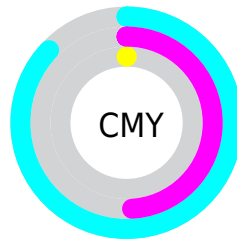
- Red (13%)
- Green (51%)
- Blue (100%)



- Red (13%)
- Yellow (39%)
- Blue (100%)



- Cyan (87%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2438, 0.1799, 0.1576 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 23.2438, 0.1799, 0.1576 by changing the saturation by 10% instead.


 23.2438, 0.1799,
0.1576


 23.2438, 0.1799,
0.1576


268.9747, 0.2477,
0.2400


 14.7736, 0.1639,
0.1395


 48.7933, 0.2041,
0.1860


 8.6607, 0.1443,
0.1180


 66.6415, 0.2134,
0.1971


 4.5205, 0.1203,
0.0929

 88.3844, 0.2213,
0.2068

 1.9688, 0.0912,
0.0642

 114.4066, 0.2281,
0.2152

 0.5892, 0.0576,
0.0324

 145.0923, 0.2340,
0.2226

 0.0000, 0.0000,
0.0000

180.8259, 0.2392,

0.2291

221.9920, 0.2437,
0.2349

■ 23.2438, 0.1799,
0.1576

■ 23.2438, 0.1799,
0.1576

■ 19.4178, 0.1721,
0.1380

■ 27.9268, 0.1905,
0.1789

■ 18.4040, 0.1701,
0.1324

■ 33.5518, 0.2035,
0.2012

■ 40.1875, 0.2185,
0.2236

■ 47.8948, 0.2348,
0.2454

■ 56.7286, 0.2518,
0.2662

■ 66.7395, 0.2689,
0.2855

■ 77.9747, 0.2857,
0.3031

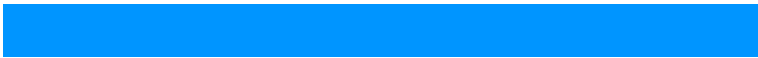
■ 90.4783, 0.3019,
0.3189

■ 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.



23.2438, 0.1316, 0.1662



23.2438, 0.1799, 0.1576



23.2438, 0.2710, 0.1788

Triad

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



23.2438, 0.1799, 0.1576



23.2438, 0.5540, 0.3681



23.2438, 0.2069, 0.4740

Complementary

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



23.2438, 0.1799, 0.1576



46.2279, 0.5009, 0.4292

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.



23.2438, 0.3096, 0.5662



23.2438, 0.1799, 0.1576



23.2438, 0.5099, 0.4514

Square

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



23.2438, 0.1799, 0.1576



23.2438, 0.5156, 0.2933



23.2438, 0.4183, 0.5349



23.2438, 0.1402, 0.3199

Rectangle

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



23.2438, 0.1799, 0.1576



23.2438, 0.3546, 0.2081



23.2438, 0.4183, 0.5349



23.2438, 0.2386, 0.5185

Sweetspot

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



23.2433, 0.1799, 0.1576



67.8010, 0.2706, 0.2873



74.3448, 0.2635, 0.4594



13.7318, 0.2647, 0.2809



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.



23.2433, 0.1799, 0.1576



18.4040, 0.1701, 0.1324



8.9441, 0.1597, 0.0721



18.6682, 0.2979, 0.3151



9.8998, 0.1710, 0.1355



1.1761, 0.1771, 0.1575

Inverse Universe

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



23.9415, 0.4937, 0.2584



22.3890, 0.5293, 0.2690



90.1929, 0.4063, 0.5087



18.1174, 0.3226, 0.3188



11.7274, 0.5252, 0.2667



1.1633, 0.4963, 0.2508

Previews

White Background



This preview shows how the Yxy color 23.2438, 0.1799, 0.1576 looks on a white background.

Color Contrast Check

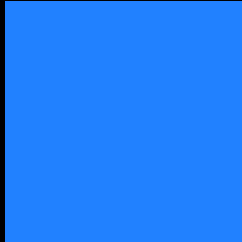
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2438, 0.1799, 0.1576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

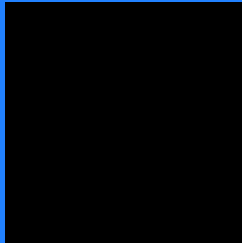
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

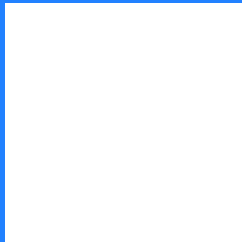
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2438, 0.1799, 0.1576

Background



This preview shows how black text looks on a background with the Yxy color 23.2438, 0.1799, 0.1576.



This preview shows how white text looks on a background with the Yxy color 23.2438, 0.1799, 0.1576.

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

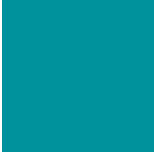
23.2438, 0.1799, 0.1576

Protanopia

23.1701, 0.1851, 0.1585

Deuteranopia

22.9907, 0.1835, 0.1804



Tritanopia

22.9581, 0.2192, 0.3091

Trichromacy



Original Color

23.2438, 0.1799, 0.1576

Protanomaly

23.2471, 0.1829, 0.1582

Deuteranomaly

22.9915, 0.1815, 0.1708

Tritanomaly

22.6401, 0.2006, 0.2385

Monochromacy



Original Color

23.2438, 0.1799, 0.1576

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.1174, 0.2340, 0.2444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2438, 0.1799, 0.1576 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(33, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 129, 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(33, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 129, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.2438, 0.1799, 0.1576 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(33, 129, 255) }
```

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

```
.border{ border-color:rgb(33, 129, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 129,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2438, 0.1799, 0.1576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 129, 255) }
```

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

```
.background{ background-color: rgb(33, 129,  
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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