

Converting Colors

$Yxy(13.7232, 0.0820, 0.1453)$

Have a look what the booklet for
Yxy(13.7232, 0.0820, 0.1453)
contains.

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Color

Yxy(20.5606, 0.1830, 0.1788)

Conversions

Conversions Part 1

Format	Color
Hex	007FE0
RGB	0, 127, 224
RGB Percent	0%, 50%, 88%
CMY	1.0000, 0.5020, 0.1215
CMYK	1.00, 0.43, 0.00, 0.12
HSL	206°, 100%, 44%
HSV	206°, 100%, 88%
XYZ	21.0436, 20.5606, 73.3880
YIQ	100.0850, -106.8290, 3.2430

Conversions

Conversions Part 2

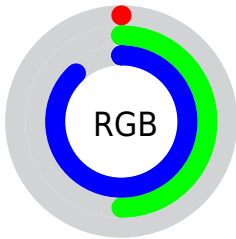
Format	Color
R _{YB}	0, 81, 224
Decimal	32736
CIE Lab	52.47, 7.37, -57.31
CIE LCh	52, 57.784, 277.329
Yxy	20.5606, 0.1830, 0.1788
Android (android.graphics.Color)	4278222816 (0xFF007FE0)
YUV	100.0850, 61.0901, -87.7745
Hunter-Lab	45.3438, 3.4883, -64.2190

Details

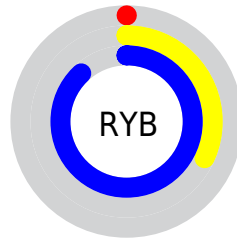
The Yxy color **20.5606, 0.1830, 0.1788** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **24.4001, 0.5623, 0.3918**, and the grayscale version is **12.6295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4033, 0.2180, 0.2317**, and **8.4191, 0.1748, 0.1492** is the 20% darker color. If you saturate the color by 10%, you get **20.5619, 0.1830, 0.1788**, and if you desaturate by 10%, it is **23.3648, 0.1893, 0.1949**.

Distribution



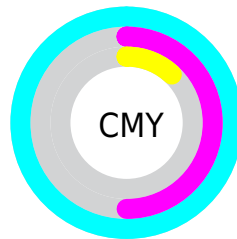
- Red (0%)
- Green (50%)
- Blue (88%)



- Red (0%)
- Yellow (32%)
- Blue (88%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (50%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5606, 0.1830, 0.1788 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 20.5606, 0.1830, 0.1788 by changing the saturation by 10% instead.

■ 20.5606, 0.1830,
0.1788

■ 20.5606, 0.1830,
0.1788

254.9340, 0.2511,
0.2558

■ 12.8032, 0.1661,
0.1603

■ 44.3551, 0.2079,
0.2065

■ 7.2932, 0.1450,
0.1375

■ 61.1610, 0.2173,
0.2171

■ 3.6461, 0.1185,
0.1094

■ 81.7518, 0.2252,
0.2260

■ 1.4776, 0.0856,
0.0756

■ 106.5120, 0.2319,
0.2337

■ 0.2729, 0.0424,
0.0264

■ 135.8259, 0.2377,
0.2404

■ 0.0000, 0.0000,
0.0000

170.0779, 0.2427,

0.2462

209.6525, 0.2472,
0.2513

■ 20.5606, 0.1830,
0.1788

■ 20.5606, 0.1830,
0.1788

■ 20.5619, 0.1830,
0.1788

■ 23.3648, 0.1893,
0.1949

■ 26.6185, 0.1976,
0.2115

■ 30.3952, 0.2082,
0.2285

■ 34.7383, 0.2206,
0.2454

■ 39.6852, 0.2347,
0.2618

■ 45.2692, 0.2498,
0.2775

■ 51.5205, 0.2655,
0.2922

■ 58.4671, 0.2814,
0.3057

■ 66.1351, 0.2973,
0.3180

Harmonies

Analogous

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



20.5606, 0.1478, 0.1968



20.5606, 0.1830, 0.1788



20.5606, 0.2535, 0.1905

Triad

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



20.5606, 0.1830, 0.1788



20.5606, 0.5156, 0.3514



20.5606, 0.2484, 0.4752

Complementary

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



20.5606, 0.1830, 0.1788



24.4001, 0.5623, 0.3918

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.



20.5606, 0.3426, 0.5267



20.5606, 0.1830, 0.1788



20.5606, 0.5006, 0.4234

Square

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



20.5606, 0.1830, 0.1788



20.5606, 0.4604, 0.2844



20.5606, 0.4341, 0.4928



20.5606, 0.1774, 0.3567

Rectangle

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



20.5606, 0.1830, 0.1788



20.5606, 0.3195, 0.2127



20.5606, 0.4341, 0.4928



20.5606, 0.2786, 0.5032

Sweetspot

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



20.5619, 0.1830, 0.1788



68.9186, 0.2651, 0.2919



54.1137, 0.2805, 0.5298



13.9671, 0.2584, 0.2858



0.0000, 0.0000, 0.0000



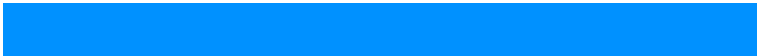
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.5619, 0.1830, 0.1788



27.3402, 0.1827, 0.1777



5.8370, 0.1513, 0.0645



14.5265, 0.2981, 0.3186



12.1999, 0.1837, 0.1812



1.0227, 0.1906, 0.2061

Inverse Universe

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



17.3815, 0.4700, 0.2363



23.2911, 0.4713, 0.2370



59.6763, 0.4349, 0.4929



13.8301, 0.3204, 0.3158



10.1396, 0.4671, 0.2347



0.7207, 0.4384, 0.2189

Previews

White Background



This preview shows how the Yxy color 20.5606, 0.1830, 0.1788 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 20.5606, 0.1830, 0.1788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

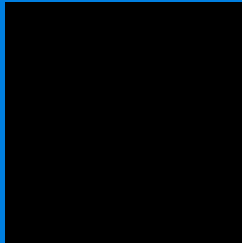
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5606, 0.1830, 0.1788

Background



This preview shows how black text looks on a background with the Yxy color 20.5606, 0.1830, 0.1788.



This preview shows how white text looks on a background with the Yxy color 20.5606, 0.1830, 0.1788.

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

20.5606, 0.1830, 0.1788

Protanopia

20.4422, 0.2030, 0.1820

Deuteranopia

20.6990, 0.1847, 0.1794



Tritanopia

20.6034, 0.2195, 0.3103

Trichromacy



Original Color

20.5606, 0.1830, 0.1788

Protanomaly

20.0370, 0.1910, 0.1791

Deuteranomaly

20.6387, 0.1840, 0.1791

Tritanomaly

20.4625, 0.2034, 0.2523

Monochromacy



Original Color

20.5606, 0.1830, 0.1788

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.2862, 0.2288, 0.2553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5606, 0.1830, 0.1788 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, 127, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 224)  
}
```

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, 127, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 224) }
```

Border

The CSS property to change the border of an element to Yxy 20.5606, 0.1830, 0.1788 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, 127, 224) }
```

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

```
.border{ border-color:rgb(0, 127, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5606, 0.1830, 0.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 224) }
```

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

```
.background{ background-color: rgb(0, 127,  
224) }
```

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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