

Converting Colors

$Y_{xy}(21.1629, 0.1830, 0.1787)$

Have a look what the booklet for
Yxy(21.1629, 0.1830, 0.1787)
contains.

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Color

Yxy(21.2466, 0.1831, 0.1792)

Conversions

Conversions Part 1

Format	Color
Hex	0081E3
RGB	0, 129, 227
RGB Percent	0%, 51%, 89%
CMY	1.0000, 0.4941, 0.1099
CMYK	1.00, 0.43, 0.00, 0.11
HSL	206°, 100%, 45%
HSV	206°, 100%, 89%
XYZ	21.7090, 21.2466, 75.6080
YIQ	101.6010, -108.3420, 3.1300

Conversions

Conversions Part 2

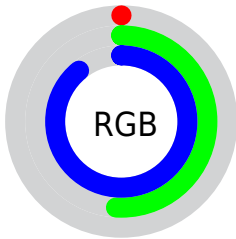
Format	Color
R _{YB}	0, 82, 227
Decimal	33251
CIE Lab	53.22, 7.28, -57.76
CIE LCh	53, 58.221, 277.184
Yxy	21.2466, 0.1831, 0.1792
Android (android.graphics.Color)	4278223331 (0xFF0081E3)
YUV	101.6010, 61.8217, -89.1041
Hunter-Lab	46.0940, 3.4039, -64.9875

Details

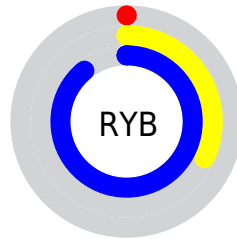
The Yxy color **21.2466, 0.1831, 0.1792** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **25.0531, 0.5628, 0.3913**, and the grayscale version is **13.0370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2710, 0.2190, 0.2345**, and **8.8251, 0.1750, 0.1501** is the 20% darker color. If you saturate the color by 10%, you get **21.2490, 0.1831, 0.1792**, and if you desaturate by 10%, it is **24.1335, 0.1894, 0.1952**.

Distribution



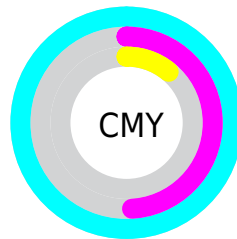
- Red (0%)
- Green (51%)
- Blue (89%)



- Red (0%)
- Yellow (32%)
- Blue (89%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2466, 0.1831, 0.1792 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 21.2466, 0.1831, 0.1792 by changing the saturation by 10% instead.

■ 21.2466, 0.1831,
0.1792

■ 21.2466, 0.1831,
0.1792

■ 258.5861, 0.2508,
0.2556

■ 13.3044, 0.1664,
0.1609

■ 45.4976, 0.2078,
0.2066

■ 7.6385, 0.1456,
0.1385

■ 62.5751, 0.2171,
0.2171

■ 3.8645, 0.1196,
0.1109

■ 83.4666, 0.2249,
0.2260

■ 1.5981, 0.0872,
0.0775

■ 108.5563, 0.2316,
0.2336

■ 0.3563, 0.0465,
0.0321

■ 138.2288, 0.2374,
0.2402

■ 0.0000, 0.0000,
0.0000

172.8683, 0.2424,

0.2460

212.8593, 0.2469,
0.2511

■ 21.2466, 0.1831,
0.1792

■ 21.2466, 0.1831,
0.1792

■ 21.2490, 0.1831,
0.1792

■ 24.1335, 0.1894,
0.1952

■ 27.4818, 0.1977,
0.2118

■ 31.3677, 0.2082,
0.2288

■ 35.8360, 0.2207,
0.2456

■ 40.9254, 0.2347,
0.2620

■ 46.6700, 0.2497,
0.2776

■ 53.1012, 0.2655,
0.2923

■ 60.2478, 0.2814,
0.3057

■ 68.1364, 0.2973,
0.3180

Harmonies

Analogous

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



21.2466, 0.1481, 0.1973



21.2466, 0.1831, 0.1792



21.2466, 0.2532, 0.1907

Triad

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



21.2466, 0.1831, 0.1792



21.2466, 0.5148, 0.3511



21.2466, 0.2491, 0.4751

Complementary

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



21.2466, 0.1831, 0.1792



25.0531, 0.5628, 0.3913

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.



21.2466, 0.3431, 0.5260



21.2466, 0.1831, 0.1792



21.2466, 0.5003, 0.4229

Square

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



21.2466, 0.1831, 0.1792



21.2466, 0.4595, 0.2843



21.2466, 0.4343, 0.4921



21.2466, 0.1781, 0.3573

Rectangle

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



21.2466, 0.1831, 0.1792



21.2466, 0.3189, 0.2128



21.2466, 0.4343, 0.4921



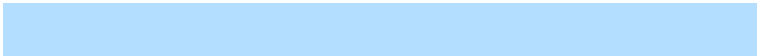
21.2466, 0.2792, 0.5028

Sweetspot

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



21.2490, 0.1831, 0.1792



68.9785, 0.2652, 0.2920



55.7405, 0.2806, 0.5300



13.9813, 0.2584, 0.2859



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.



21.2490, 0.1831, 0.1792



27.4549, 0.1829, 0.1782



6.0073, 0.1513, 0.0645



15.2402, 0.2981, 0.3186



12.6321, 0.1838, 0.1816



1.1172, 0.1903, 0.2051

Inverse Universe

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



17.9115, 0.4695, 0.2360



23.3027, 0.4707, 0.2366



61.4653, 0.4349, 0.4929



14.5046, 0.3204, 0.3157



10.4729, 0.4666, 0.2344



0.7925, 0.4395, 0.2195

Previews

White Background



This preview shows how the Yxy color 21.2466, 0.1831, 0.1792 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 21.2466, 0.1831, 0.1792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

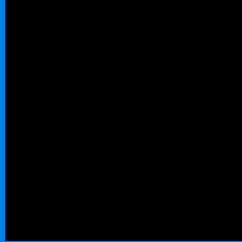
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

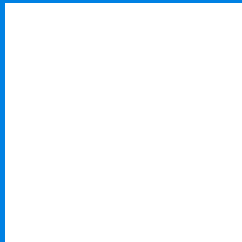
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.2466, 0.1831, 0.1792

Background



This preview shows how black text looks on a background with the Yxy color 21.2466, 0.1831, 0.1792.



This preview shows how white text looks on a background with the Yxy color 21.2466, 0.1831, 0.1792.

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

21.2466, 0.1831, 0.1792

Protanopia

21.1802, 0.2035, 0.1825

Deuteranopia

21.4171, 0.1851, 0.1798



Tritanopia

21.2518, 0.2196, 0.3105

Trichromacy



Original Color

21.2466, 0.1831, 0.1792

Protanomaly

20.7250, 0.1912, 0.1795

Deuteranomaly

21.3399, 0.1842, 0.1795

Tritanomaly

21.1057, 0.2037, 0.2531

Monochromacy



Original Color

21.2466, 0.1831, 0.1792

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.8187, 0.2290, 0.2563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2466, 0.1831, 0.1792 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, 129, 227)` looks like.

```
.text, #text, p{  
  color:rgb(0, 129, 227)  
}
```

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, 129, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 227) }
```

Border

The CSS property to change the border of an element to Yxy 21.2466, 0.1831, 0.1792 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, 129, 227) }
```

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

```
.border{ border-color:rgb(0, 129, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2466, 0.1831, 0.1792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 227) }
```

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

```
.background{ background-color: rgb(0, 129,  
227) }
```

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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