

Converting Colors

$Y_{xy}(21.0462, 0.1830, 0.1601)$

Have a look what the booklet for
Yxy(21.0462, 0.1830, 0.1601)
contains.

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Color

Yxy(21.0523, 0.1831, 0.1606)

Conversions

Conversions Part 1

Format	Color
Hex	2C7BF1
RGB	44, 123, 241
RGB Percent	17%, 48%, 95%
CMY	0.8273, 0.5177, 0.0548
CMYK	0.82, 0.49, 0.00, 0.05
HSL	216°, 88%, 56%
HSV	216°, 82%, 95%
XYZ	24.0017, 21.0523, 86.0313
YIQ	112.8310, -84.9620, 19.9500

Conversions

Conversions Part 2

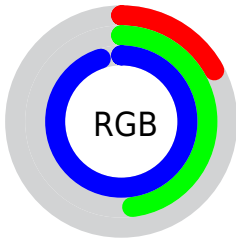
Format	Color
R _Y B	44, 100, 241
Decimal	2915313
CIE Lab	53.01, 18.59, -65.92
CIE LCh	53, 68.492, 285.753
Yxy	21.0523, 0.1831, 0.1606
Android (android.graphics.Color)	4281105393 (0xFF2C7BF1)
YUV	112.8310, 63.1873, -60.3648
Hunter-Lab	45.8828, 13.0802, -79.0522

Details

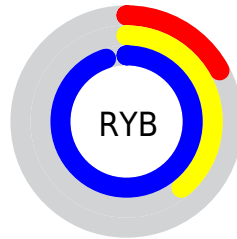
The Yxy color **21.0523, 0.1831, 0.1606** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **44.7504, 0.4830, 0.4352**, and the grayscale version is **16.2930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9449, 0.2246, 0.2283**, and **8.4928, 0.1691, 0.1286** is the 20% darker color. If you saturate the color by 10%, you get **17.3422, 0.1736, 0.1394**, and if you desaturate by 10%, it is **25.6015, 0.1954, 0.1834**.

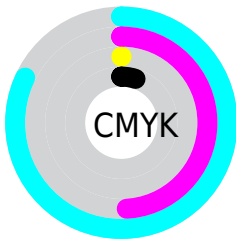
Distribution



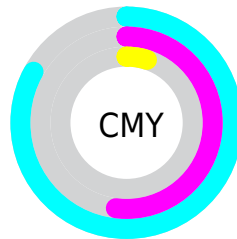
- Red (17%)
- Green (48%)
- Blue (95%)



- Red (17%)
- Yellow (39%)
- Blue (95%)



- Cyan (82%)
- Magenta (49%)
- Yellow (0%)
- Black (5%)



- Cyan (83%)
- Magenta (52%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0523, 0.1831, 0.1606 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 21.0523, 0.1831, 0.1606 by changing the saturation by 10% instead.

■ 21.0523, 0.1831,
0.1606

■ 21.0523, 0.1831,
0.1606

■ 257.5563, 0.2507,
0.2434

■ 13.1622, 0.1667,
0.1419

■ 45.1746, 0.2076,
0.1895

■ 7.5404, 0.1463,
0.1195

■ 62.1755, 0.2169,
0.2008

■ 3.8023, 0.1210,
0.0930

■ 82.9823, 0.2248,
0.2105

■ 1.5636, 0.0900,
0.0625

■ 107.9792, 0.2315,
0.2189

■ 0.3329, 0.0543,
0.0235

■ 137.5507, 0.2373,
0.2262

■ 0.0000, 0.0000,
0.0000

172.0811, 0.2423,

0.2326

211.9548, 0.2468,
0.2383

■ 21.0523, 0.1831,
0.1606

■ 21.0523, 0.1831,
0.1606

■ 17.3422, 0.1736,
0.1394

■ 25.6015, 0.1954,
0.1834

■ 14.8284, 0.1677,
0.1236

■ 31.0566, 0.2100,
0.2068

■ 37.4772, 0.2261,
0.2302

■ 44.9167, 0.2432,
0.2526

■ 53.4238, 0.2606,
0.2738

■ 63.0434, 0.2778,
0.2932

■ 73.8180, 0.2944,
0.3108

■ 85.7874, 0.3101,
0.3265

■ 97.8415, 0.3210,
0.3405

Harmonies

Analogous

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



21.0523, 0.1349, 0.1691



21.0523, 0.1831, 0.1606



21.0523, 0.2732, 0.1818

Triad

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



21.0523, 0.1831, 0.1606



21.0523, 0.5490, 0.3694



21.0523, 0.2088, 0.4686

Complementary

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



21.0523, 0.1831, 0.1606



44.7504, 0.4830, 0.4352

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.



21.0523, 0.3098, 0.5597



21.0523, 0.1831, 0.1606



21.0523, 0.5062, 0.4514

Square

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



21.0523, 0.1831, 0.1606



21.0523, 0.5116, 0.2953



21.0523, 0.4166, 0.5320



21.0523, 0.1431, 0.3193

Rectangle

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



21.0523, 0.1831, 0.1606



21.0523, 0.3551, 0.2109



21.0523, 0.4166, 0.5320



21.0523, 0.2399, 0.5119

Sweetspot

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



21.0529, 0.1831, 0.1606



67.8526, 0.2721, 0.2869



65.9591, 0.2615, 0.4451



13.6997, 0.2661, 0.2800



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.



21.0529, 0.1831, 0.1606



17.4100, 0.1689, 0.1268



9.1315, 0.1670, 0.0817



16.2686, 0.2980, 0.3145



8.2870, 0.1685, 0.1266



0.8791, 0.1757, 0.1526

Inverse Universe

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



21.9385, 0.4880, 0.2627



22.3961, 0.5368, 0.2741



79.0474, 0.4023, 0.5060



15.8638, 0.3230, 0.3196



10.6299, 0.5374, 0.2734



0.9035, 0.5026, 0.2542

Previews

White Background



This preview shows how the Yxy color 21.0523, 0.1831, 0.1606 looks on a white background.

Color Contrast Check

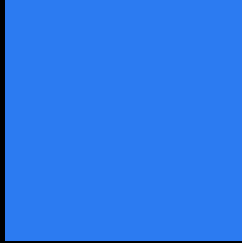
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0523, 0.1831, 0.1606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

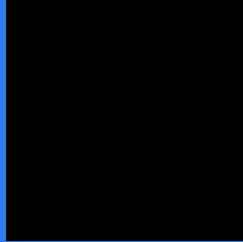
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

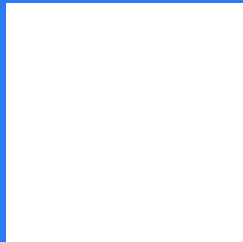
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0523, 0.1831, 0.1606

Background



This preview shows how black text looks on a background with the Yxy color 21.0523, 0.1831, 0.1606.



This preview shows how white text looks on a background with the Yxy color 21.0523, 0.1831, 0.1606.

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

21.0523, 0.1831, 0.1606

Protanopia

21.1401, 0.1872, 0.1615

Deuteranopia

20.8202, 0.1835, 0.1804



Tritanopia

20.9261, 0.2196, 0.3104

Trichromacy



Original Color

21.0523, 0.1831, 0.1606

Protanomaly

20.9946, 0.1856, 0.1610

Deuteranomaly

20.7450, 0.1824, 0.1723

Tritanomaly

20.5378, 0.2021, 0.2415

Monochromacy



Original Color

21.0523, 0.1831, 0.1606

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.3354, 0.2397, 0.2484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0523, 0.1831, 0.1606 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(44, 123, 241)` looks like.

```
.text, #text, p{  
    color:rgb(44, 123, 241)  
}
```

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(44, 123, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 123, 241) }
```

Border

The CSS property to change the border of an element to Yxy 21.0523, 0.1831, 0.1606 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(44, 123, 241) }
```

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

```
.border{ border-color:rgb(44, 123, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 123, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 123, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 123, 241);  
box-shadow:4px 4px 4px 4px rgb(44, 123,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0523, 0.1831, 0.1606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 123, 241) }
```

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

```
.background{ background-color: rgb(44, 123,  
241) }
```

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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