

Converting Colors

$Y_{xy}(20.6602, 0.1894, 0.1805)$

Have a look what the booklet for
Yxy(20.6602, 0.1894, 0.1805)
contains.

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Color

Yxy(20.7311, 0.1896, 0.1812)

Conversions

Conversions Part 1

Format	Color
Hex	2C7EDE
RGB	44, 126, 222
RGB Percent	17%, 49%, 87%
CMY	0.8268, 0.5060, 0.1293
CMYK	0.80, 0.43, 0.00, 0.13
HSL	212°, 73%, 52%
HSV	212°, 80%, 87%
XYZ	21.6921, 20.7311, 71.9868
YIQ	112.4260, -79.6880, 12.4720

Conversions

Conversions Part 2

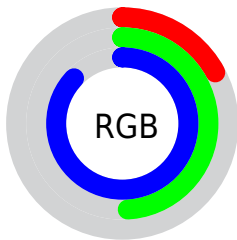
Format	Color
R _{YB}	44, 100, 222
Decimal	2916062
CIE Lab	52.65, 9.63, -55.86
CIE LCh	53, 56.688, 279.785
Yxy	20.7311, 0.1896, 0.1812
Android (android.graphics.Color)	4281106142 (0xFF2C7EDE)
YUV	112.4260, 54.0200, -60.0096
Hunter-Lab	45.5314, 5.3612, -61.8676

Details

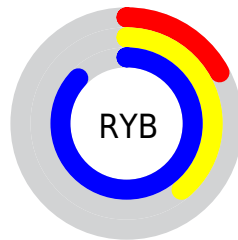
The Yxy color **20.7311, 0.1896, 0.1812** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **34.5340, 0.4909, 0.4238**, and the grayscale version is **16.2030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8427, 0.2235, 0.2318**, and **8.2020, 0.1748, 0.1492** is the 20% darker color. If you saturate the color by 10%, you get **17.4787, 0.1801, 0.1611**, and if you desaturate by 10%, it is **24.6152, 0.2016, 0.2022**.

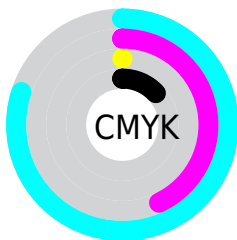
Distribution



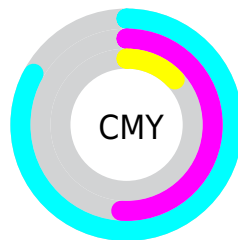
- Red (17%)
- Green (49%)
- Blue (87%)



- Red (17%)
- Yellow (39%)
- Blue (87%)



- Cyan (80%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)



- Cyan (83%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7311, 0.1896, 0.1812 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 20.7311, 0.1896, 0.1812 by changing the saturation by 10% instead.

■ 20.7311, 0.1896,
0.1812

■ 20.7311, 0.1896,
0.1812

■ 255.8460, 0.2546,
0.2569

■ 12.9276, 0.1733,
0.1629

■ 44.6396, 0.2135,
0.2085

■ 7.3787, 0.1527,
0.1404

■ 61.5133, 0.2225,
0.2189

■ 3.7000, 0.1266,
0.1125

■ 82.1793, 0.2300,
0.2277

■ 1.5072, 0.0936,
0.0786

■ 107.0219, 0.2364,
0.2352

■ 0.2938, 0.0510,
0.0291

■ 136.4254, 0.2419,
0.2417

■ 0.0000, 0.0000,
0.0000

170.7743, 0.2467,

0.2474

210.4531, 0.2509,
0.2524

■ 20.7311, 0.1896,
0.1812

■ 20.7311, 0.1896,
0.1812

■ 17.4787, 0.1801,
0.1611

■ 24.6152, 0.2016,
0.2022

■ 14.8055, 0.1730,
0.1426

■ 29.1781, 0.2156,
0.2234

■ 34.4631, 0.2311,
0.2442

■ 40.5084, 0.2475,
0.2640

■ 47.3491, 0.2643,
0.2826

■ 55.0176, 0.2809,
0.2996

■ 63.5445, 0.2971,
0.3150

■ 72.9585, 0.3125,
0.3289

■ 83.2867, 0.3272,
0.3411

Harmonies

Analogous

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



20.7311, 0.1521, 0.1965



20.7311, 0.1896, 0.1812



20.7311, 0.2620, 0.1948

Triad

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



20.7311, 0.1896, 0.1812



20.7311, 0.5128, 0.3574



20.7311, 0.2431, 0.4635

Complementary

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



20.7311, 0.1896, 0.1812



34.5340, 0.4909, 0.4238

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.



20.7311, 0.3349, 0.5217



20.7311, 0.1896, 0.1812



20.7311, 0.4936, 0.4285

Square

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



20.7311, 0.1896, 0.1812



20.7311, 0.4641, 0.2906



20.7311, 0.4259, 0.4948



20.7311, 0.1759, 0.3467

Rectangle

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



20.7311, 0.1896, 0.1812



20.7311, 0.3282, 0.2181



20.7311, 0.4259, 0.4948



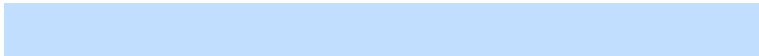
20.7311, 0.2723, 0.4930

Sweetspot

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



20.7317, 0.1896, 0.1812



70.8805, 0.2742, 0.2929



54.6628, 0.2657, 0.4563



14.3726, 0.2682, 0.2867



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.



20.7317, 0.1896, 0.1812



21.4052, 0.1752, 0.1486



7.7690, 0.1658, 0.0835



14.2771, 0.2981, 0.3160



9.0086, 0.1737, 0.1453



0.8020, 0.1818, 0.1746

Inverse Universe

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



18.8535, 0.4629, 0.2507



22.9068, 0.5072, 0.2587



67.0566, 0.4086, 0.4988



13.8049, 0.3220, 0.3183



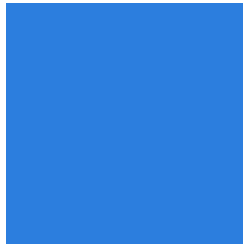
9.8175, 0.5121, 0.2594



0.6984, 0.4750, 0.2391

Previews

White Background



This preview shows how the Yxy color 20.7311, 0.1896, 0.1812 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 20.7311, 0.1896, 0.1812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

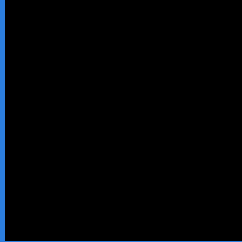
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

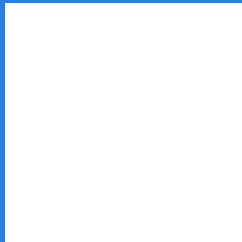
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.7311, 0.1896, 0.1812

Background



This preview shows how black text looks on a background with the Yxy color 20.7311, 0.1896, 0.1812.



This preview shows how white text looks on a background with the Yxy color 20.7311, 0.1896, 0.1812.

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

20.7311, 0.1896, 0.1812

Protanopia

20.7304, 0.2039, 0.1837

Deuteranopia

20.7928, 0.1877, 0.1820



Tritanopia

20.6352, 0.2190, 0.3083

Trichromacy



Original Color

20.7311, 0.1896, 0.1812

Protanomaly

20.5093, 0.1977, 0.1822

Deuteranomaly

20.8647, 0.1885, 0.1823

Tritanomaly

20.2949, 0.2047, 0.2506

Monochromacy



Original Color

20.7311, 0.1896, 0.1812

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.0158, 0.2451, 0.2613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7311, 0.1896, 0.1812 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, 126, 222)` looks like.

```
.text, #text, p{  
    color:rgb(44, 126, 222)  
}
```

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, 126, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 126, 222) }
```

Border

The CSS property to change the border of an element to Yxy 20.7311, 0.1896, 0.1812 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, 126, 222) }
```

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

```
.border{ border-color:rgb(44, 126, 222) }
```

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

Here you see how a box with a 4 pixel rgb(44, 126, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 126, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 126, 222);  
box-shadow:4px 4px 4px 4px rgb(44, 126,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7311, 0.1896, 0.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 126, 222) }
```

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

```
.background{ background-color: rgb(44, 126,  
222) }
```

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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