

Converting Colors

$Y_{xy}(20.7994, 0.1861, 0.1694)$

Have a look what the booklet for
Yxy(20.7994, 0.1861, 0.1694)
contains.

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Color

Yxy(20.7994, 0.1861, 0.1694)

Conversions

Conversions Part 1

Format	Color
Hex	2D7CE8
RGB	45, 124, 232
RGB Percent	18%, 49%, 91%
CMY	0.8237, 0.5137, 0.0903
CMYK	0.81, 0.47, 0.00, 0.09
HSL	215°, 80%, 54%
HSV	215°, 81%, 91%
XYZ	22.8499, 20.7994, 79.1335
YIQ	112.6910, -81.7520, 16.8400

Conversions

Conversions Part 2

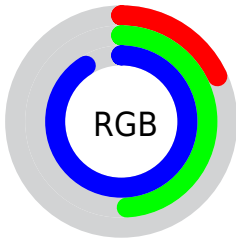
Format	Color
R _Y B	45, 101, 232
Decimal	2981096
CIE Lab	52.73, 14.65, -61.32
CIE LCh	53, 63.044, 283.439
Yxy	20.7994, 0.1861, 0.1694
Android (android.graphics.Color)	4281171176 (0xFF2D7CE8)
YUV	112.6910, 58.8193, -59.3650
Hunter-Lab	45.6064, 9.6216, -70.9521

Details

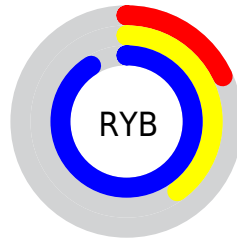
The Yxy color **20.7994, 0.1861, 0.1694** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.0922, 0.4849, 0.4309**, and the grayscale version is **16.2552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2637, 0.2244, 0.2295**, and **8.3035, 0.1712, 0.1365** is the 20% darker color. If you saturate the color by 10%, you get **17.2791, 0.1764, 0.1485**, and if you desaturate by 10%, it is **25.0652, 0.1984, 0.1916**.

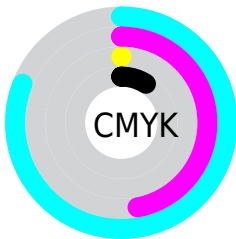
Distribution



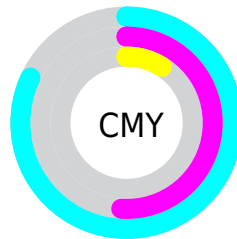
- Red (18%)
- Green (49%)
- Blue (91%)



- Red (18%)
- Yellow (40%)
- Blue (91%)



- Cyan (81%)
- Magenta (47%)
- Yellow (0%)
- Black (9%)



- Cyan (82%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7994, 0.1861, 0.1694 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 20.7994, 0.1861, 0.1694 by changing the saturation by 10% instead.

■ 20.7994, 0.1861,
0.1694

■ 20.7994, 0.1861,
0.1694

256.2105, 0.2526,
0.2494

■ 12.9774, 0.1697,
0.1508

■ 44.7534, 0.2104,
0.1977

■ 7.4130, 0.1492,
0.1282

■ 61.6543, 0.2195,
0.2087

■ 3.7217, 0.1235,
0.1009

■ 82.3503, 0.2272,
0.2180

■ 1.5191, 0.0915,
0.0688

■ 107.2258, 0.2338,
0.2260

■ 0.3021, 0.0532,
0.0249

■ 136.6651, 0.2395,
0.2330

■ 0.0000, 0.0000,
0.0000

171.0528, 0.2444,

0.2392

210.7731, 0.2488,
0.2446

■ 20.7994, 0.1861,
0.1694

■ 20.7994, 0.1861,
0.1694

■ 17.2791, 0.1764,
0.1485

■ 25.0652, 0.1984,
0.1916

■ 14.5727, 0.1696,
0.1305

■ 30.1333, 0.2129,
0.2143

■ 36.0554, 0.2289,
0.2366

■ 42.8775, 0.2458,
0.2580

■ 50.6415, 0.2629,
0.2781

■ 59.3865, 0.2798,
0.2966

■ 69.1490, 0.2962,
0.3132

■ 79.9634, 0.3118,
0.3281

■ 91.8627, 0.3264,
0.3413

Harmonies

Analogous

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



20.7994, 0.1423, 0.1806



20.7994, 0.1861, 0.1694



20.7994, 0.2685, 0.1875

Triad

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



20.7994, 0.1861, 0.1694



20.7994, 0.5337, 0.3649



20.7994, 0.2236, 0.4664

Complementary

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



20.7994, 0.1861, 0.1694



40.0922, 0.4849, 0.4309

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.



20.7994, 0.3208, 0.5426



20.7994, 0.1861, 0.1694



20.7994, 0.5013, 0.4420

Square

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



20.7994, 0.1861, 0.1694



20.7994, 0.4910, 0.2938



20.7994, 0.4211, 0.5158



20.7994, 0.1570, 0.3313

Rectangle

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



20.7994, 0.1861, 0.1694



20.7994, 0.3434, 0.2142



20.7994, 0.4211, 0.5158



20.7994, 0.2540, 0.5034

Sweetspot

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



20.8000, 0.1861, 0.1694



69.6776, 0.2739, 0.2903



60.4866, 0.2629, 0.4479



14.0858, 0.2679, 0.2837



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.



20.8000, 0.1861, 0.1694



18.9060, 0.1713, 0.1352



8.5795, 0.1673, 0.0834



14.8837, 0.2981, 0.3151



8.3295, 0.1704, 0.1335



0.7962, 0.1784, 0.1621

Inverse Universe

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



20.4796, 0.4769, 0.2581



22.6008, 0.5251, 0.2682



73.0253, 0.4042, 0.5030



14.4686, 0.3226, 0.3191



10.0386, 0.5279, 0.2682



0.7601, 0.4905, 0.2476

Previews

White Background



This preview shows how the Yxy color 20.7994, 0.1861, 0.1694 looks on a white background.

Color Contrast Check

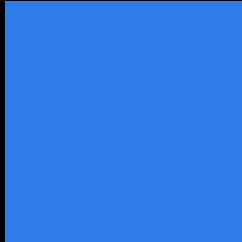
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7994, 0.1861, 0.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

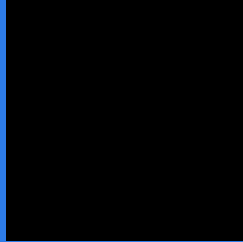
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

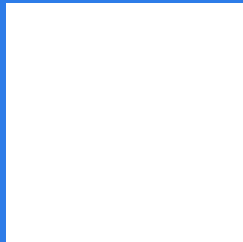
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.7994, 0.1861, 0.1694

Background



This preview shows how black text looks on a background with the Yxy color 20.7994, 0.1861, 0.1694.



This preview shows how white text looks on a background with the Yxy color 20.7994, 0.1861, 0.1694.

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

20.7994, 0.1861, 0.1694

Protanopia

20.6340, 0.1942, 0.1705

Deuteranopia

20.6150, 0.1828, 0.1779



Tritanopia

20.6352, 0.2190, 0.3083

Trichromacy



Original Color

20.7994, 0.1861, 0.1694

Protanomaly

20.6243, 0.1908, 0.1699

Deuteranomaly

20.6333, 0.1829, 0.1740

Tritanomaly

20.4150, 0.2033, 0.2460

Monochromacy



Original Color

20.7994, 0.1861, 0.1694

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.1976, 0.2428, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7994, 0.1861, 0.1694 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(45, 124, 232)` looks like.

```
.text, #text, p{  
  color:rgb(45, 124, 232)  
}
```

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(45, 124, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 124, 232) }
```

Border

The CSS property to change the border of an element to Yxy 20.7994, 0.1861, 0.1694 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(45, 124, 232) }
```

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

```
.border{ border-color:rgb(45, 124, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 124, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 124, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 124, 232);  
box-shadow:4px 4px 4px 4px rgb(45, 124,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7994, 0.1861, 0.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 124, 232) }
```

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

```
.background{ background-color: rgb(45, 124,  
232) }
```

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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