

Converting Colors

$Y_{xy}(10.7879, 0.1697, 0.1200)$

Have a look what the booklet for
 $Y_{xy}(10.7879, 0.1697, 0.1200)$
contains.

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Color

Yxy(10.7104, 0.1697, 0.1197)

Conversions

Conversions Part 1

Format	Color
Hex	1A50D4
RGB	26, 80, 212
RGB Percent	10%, 31%, 83%
CMY	0.8976, 0.6864, 0.1685
CMYK	0.88, 0.62, 0.00, 0.17
HSL	223°, 78%, 47%
HSV	223°, 88%, 83%
XYZ	15.1843, 10.7104, 63.5824
YIQ	78.9020, -74.5560, 29.6040

Conversions

Conversions Part 2

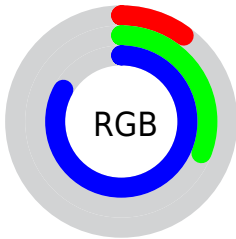
Format	Color
R _Y B	26, 68, 212
Decimal	1724628
CIE Lab	39.09, 33.85, -72.19
CIE LCh	39, 79.733, 295.124
Yxy	10.7104, 0.1697, 0.1197
Android (android.graphics.Color)	4279914708 (0xFF1A50D4)
YUV	78.9020, 65.6173, -46.3951
Hunter-Lab	32.7267, 25.5470, -92.2814

Details

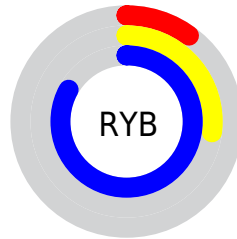
The Yxy color **10.7104, 0.1697, 0.1197** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **38.5928, 0.4685, 0.4565**, and the grayscale version is **7.6871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1717, 0.2060, 0.1674**, and **3.7234, 0.1579, 0.0882** is the 20% darker color. If you saturate the color by 10%, you get **8.5582, 0.1616, 0.0999**, and if you desaturate by 10%, it is **13.5588, 0.1812, 0.1431**.

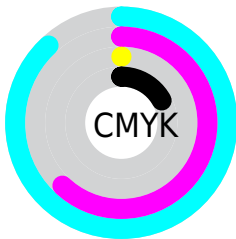
Distribution



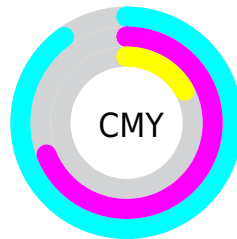
- Red (10%)
- Green (31%)
- Blue (83%)



- Red (10%)
- Yellow (27%)
- Blue (83%)



- Cyan (88%)
- Magenta (62%)
- Yellow (0%)
- Black (17%)





- Cyan (90%)
- Magenta (69%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7104, 0.1697, 0.1197 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 10.7104, 0.1697, 0.1197 by changing the saturation by 10% instead.

 10.7104, 0.1697,
0.1197


 10.7104, 0.1697,
0.1197

195.6698, 0.2506,
0.2251


 5.8725, 0.1487,
0.0966


 27.1234, 0.2003,
0.1564


 2.7677, 0.1224,
0.0703

 39.4672, 0.2115,
0.1708


 1.0117, 0.0902,
0.0419

 55.0818, 0.2209,
0.1832

 0.0000, 0.0536,
0.0000

 74.3515, 0.2288,
0.1939

 0.0000, 0.0000,
0.0000

 97.6608, 0.2355,
0.2032

125.3940, 0.2412,

0.2114

157.9355, 0.2462,
0.2186

■ 10.7104, 0.1697,
0.1197

■ 10.7104, 0.1697,
0.1197

■ 8.5582, 0.1616,
0.0999

■ 13.5588, 0.1812,
0.1431

■ 8.1392, 0.1600,
0.0959

■ 17.1766, 0.1957,
0.1690

■ 21.6234, 0.2124,
0.1960

■ 26.9515, 0.2304,
0.2230

■ 33.2089, 0.2489,
0.2490

■ 40.4395, 0.2671,
0.2732

■ 48.6845, 0.2845,
0.2954

■ 57.9825, 0.3009,
0.3153

■ 68.3700, 0.3161,
0.3329

Harmonies

Analogous

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



10.7104, 0.1011, 0.1161



10.7104, 0.1697, 0.1197



10.7104, 0.3033, 0.1538

Triad

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



10.7104, 0.1697, 0.1197



10.7104, 0.6138, 0.3813



10.7104, 0.1301, 0.4647

Complementary

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



10.7104, 0.1697, 0.1197



38.5928, 0.4685, 0.4565

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.



10.7104, 0.2387, 0.6602



10.7104, 0.1697, 0.1197



10.7104, 0.5084, 0.4916

Square

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



10.7104, 0.1697, 0.1197



10.7104, 0.6203, 0.2943



10.7104, 0.3747, 0.6253



10.7104, 0.0794, 0.2477

Rectangle

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



10.7104, 0.1697, 0.1197



10.7104, 0.4277, 0.1936



10.7104, 0.3747, 0.6253



10.7104, 0.1611, 0.5499

Sweetspot

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



10.7106, 0.1697, 0.1197



63.0671, 0.2696, 0.2765



49.7387, 0.2514, 0.4168



12.6234, 0.2633, 0.2683



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.



10.7106, 0.1697, 0.1197



12.1009, 0.1595, 0.0942



6.5659, 0.1712, 0.0784



12.5890, 0.2982, 0.3120



5.1729, 0.1606, 0.0983



0.4537, 0.1703, 0.1330

Inverse Universe

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



15.3260, 0.5435, 0.2874



21.7527, 0.5847, 0.2995



56.2808, 0.3856, 0.5243



12.4794, 0.3246, 0.3223



8.8671, 0.5785, 0.2960



0.5491, 0.5285, 0.2685

Previews

White Background



This preview shows how the Yxy color 10.7104, 0.1697, 0.1197 looks on a white background.

Color Contrast Check

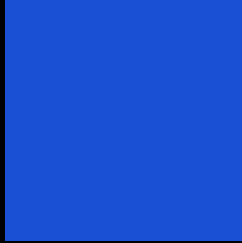
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.7104, 0.1697, 0.1197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

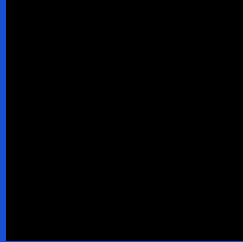
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7104, 0.1697, 0.1197

Background



This preview shows how black text looks on a background with the Yxy color 10.7104, 0.1697, 0.1197.



This preview shows how white text looks on a background with the Yxy color 10.7104, 0.1697, 0.1197.

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

10.7104, 0.1697, 0.1197

Protanopia

10.5673, 0.1744, 0.1480

Deuteranopia

10.5435, 0.1860, 0.1895



Tritanopia

10.5855, 0.2201, 0.3124

Trichromacy



Original Color

10.7104, 0.1697, 0.1197

Protanomaly

10.5406, 0.1721, 0.1361

Deuteranomaly

10.4575, 0.1782, 0.1577

Tritanomaly

10.1388, 0.1934, 0.2108

Monochromacy



Original Color

10.7104, 0.1697, 0.1197

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.0849, 0.2248, 0.2141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7104, 0.1697, 0.1197 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(26, 80, 212)` looks like.

```
.text, #text, p{  
    color:rgb(26, 80, 212)  
}
```

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(26, 80, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 80, 212) }
```

Border

The CSS property to change the border of an element to Yxy 10.7104, 0.1697, 0.1197 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(26, 80, 212) }
```

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

```
.border{ border-color:rgb(26, 80, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 80, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 80, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 80, 212);  
box-shadow:4px 4px 4px 4px rgb(26, 80,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7104, 0.1697, 0.1197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 80, 212) }
```

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

```
.background{ background-color: rgb(26, 80,  
212) }
```

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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