

Converting Colors

$Yxy(10.2507, 0.1227, 0.1302)$

Have a look what the booklet for
Yxy(10.2507, 0.1227, 0.1302)
contains.

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Color

Yxy(13.0950, 0.1751, 0.1502)

Conversions

Conversions Part 1

Format	Color
Hex	0062CC
RGB	0, 98, 204
RGB Percent	0%, 38%, 80%
CMY	0.9985, 0.6157, 0.2002
CMYK	1.00, 0.52, 0.00, 0.20
HSL	211°, 100%, 40%
HSV	211°, 100%, 80%
XYZ	15.2659, 13.0950, 58.8229
YIQ	80.7820, -92.4340, 12.1900

Conversions

Conversions Part 2

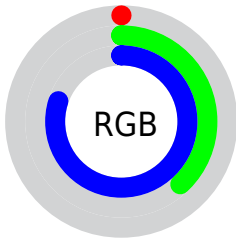
Format	Color
RYB	0, 66, 204
Decimal	25292
CIELab	42.91, 17.88, -61.33
CIELCh	43, 63.881, 286.257
Yxy	13.0950, 0.1751, 0.1502
Android (android.graphics.Color)	4278215372 (0xFF0062CC)
YUV	80.7820, 60.7465, -70.8458
Hunter-Lab	36.1870, 11.9748, -71.0464

Details

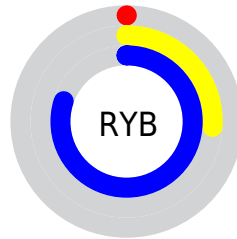
The Yxy color **13.0950, 0.1751, 0.1502** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **23.2126, 0.5353, 0.4130**, and the grayscale version is **8.0984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0525, 0.2064, 0.1897**, and **4.7161, 0.1658, 0.1167** is the 20% darker color. If you saturate the color by 10%, you get **13.0547, 0.1750, 0.1499**, and if you desaturate by 10%, it is **15.3701, 0.1823, 0.1686**.

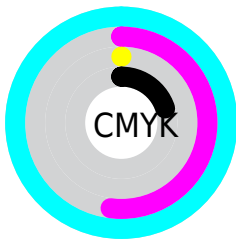
Distribution



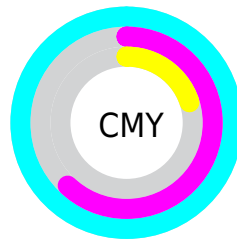
- Red (0%)
- Green (38%)
- Blue (80%)



- Red (0%)
- Yellow (26%)
- Blue (80%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (62%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0950, 0.1751, 0.1502 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 13.0950, 0.1751, 0.1502 by changing the saturation by 10% instead.


 13.0950, 0.1751,
0.1502


 13.0950, 0.1751,
0.1502


211.5256, 0.2516,
0.2438


 7.4940, 0.1551,
0.1278


 31.4743, 0.2040,
0.1841


 3.7729, 0.1298,
0.1007

 45.0215, 0.2146,
0.1969

 1.5474, 0.0980,
0.0689

 61.9861, 0.2234,
0.2078

 0.3217, 0.0602,
0.0261

 82.7527, 0.2309,
0.2171

 0.0000, 0.0000,
0.0000

 107.7055, 0.2372,
0.2252

137.2290, 0.2427,

0.2322

171.7076, 0.2474,
0.2383

■ 13.0950, 0.1751,
0.1502

■ 13.0950, 0.1751,
0.1502

■ 13.0547, 0.1750,
0.1499

■ 15.3701, 0.1823,
0.1686

■ 18.0816, 0.1918,
0.1881

■ 21.2930, 0.2036,
0.2083

■ 25.0424, 0.2174,
0.2286

■ 29.3631, 0.2327,
0.2485

■ 34.2852, 0.2488,
0.2674

■ 39.8359, 0.2652,
0.2851

■ 46.0408, 0.2816,
0.3013

■ 52.9236, 0.2976,
0.3161

Harmonies

Analogous

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



13.0950, 0.1246, 0.1577



13.0950, 0.1751, 0.1502



13.0950, 0.2711, 0.1728

Triad

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



13.0950, 0.1751, 0.1502



13.0950, 0.5665, 0.3684



13.0950, 0.1971, 0.4808

Complementary

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



13.0950, 0.1751, 0.1502



23.2126, 0.5353, 0.4130

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.



13.0950, 0.3032, 0.5824



13.0950, 0.1751, 0.1502



13.0950, 0.5154, 0.4556

Square

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



13.0950, 0.1751, 0.1502



13.0950, 0.5306, 0.2917



13.0950, 0.4170, 0.5462



13.0950, 0.1302, 0.3139

Rectangle

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



13.0950, 0.1751, 0.1502



13.0950, 0.3602, 0.2035



13.0950, 0.4170, 0.5462



13.0950, 0.2297, 0.5300

Sweetspot

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



13.0953, 0.1751, 0.1502



65.4373, 0.2643, 0.2841



44.1998, 0.2711, 0.4958



13.1433, 0.2572, 0.2767



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.



13.0953, 0.1751, 0.1502



21.2054, 0.1744, 0.1476



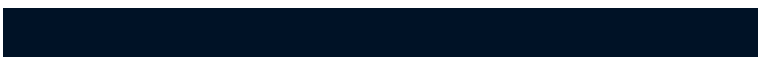
4.3905, 0.1505, 0.0604



11.7167, 0.2983, 0.3166



8.4048, 0.1757, 0.1524



0.5853, 0.1858, 0.1889

Inverse Universe

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



13.7217, 0.5056, 0.2560



22.6718, 0.5090, 0.2578



55.5239, 0.4164, 0.5075



11.3018, 0.3216, 0.3179



8.6515, 0.5029, 0.2544



0.4616, 0.4580, 0.2297

Previews

White Background



This preview shows how the Yxy color 13.0950, 0.1751, 0.1502 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 13.0950, 0.1751, 0.1502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

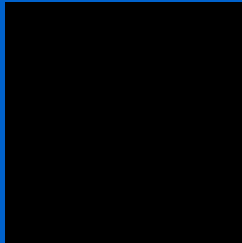
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.0950, 0.1751, 0.1502

Background



This preview shows how black text looks on a background with the Yxy color 13.0950, 0.1751, 0.1502.



This preview shows how white text looks on a background with the Yxy color 13.0950, 0.1751, 0.1502.

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

13.0950, 0.1751, 0.1502

Protanopia

13.0942, 0.1786, 0.1508

Deuteranopia

12.9552, 0.1845, 0.1840

Trichromacy



Original Color

13.0950, 0.1751, 0.1502

Protanomaly

12.9804, 0.1768, 0.1501

Deuteranomaly

12.9382, 0.1806, 0.1702

Monochromacy



Original Color

13.0950, 0.1751, 0.1502

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.0528, 0.2221, 0.2341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0950, 0.1751, 0.1502 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, 98, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 204)  
}
```

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, 98, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 204) }
```

Border

The CSS property to change the border of an element to Yxy 13.0950, 0.1751, 0.1502 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, 98, 204) }
```

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

```
.border{ border-color:rgb(0, 98, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 98, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 98, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 98, 204)  
}
```

Background

The CSS property to change the background color of an element to Yxy 13.0950, 0.1751, 0.1502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 204) }
```

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

```
.background{ background-color: rgb(0, 98,  
204) }
```

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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