

Converting Colors

$Y_{xy}(11.3697, 0.1661, 0.1112)$

Have a look what the booklet for
Yxy(11.3697, 0.1661, 0.1112)
contains.

Yxy(11.4321, 0.1662, 0.1116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.4321, 0.1662, 0.1116)

Conversions

Conversions Part 1

Format	Color
Hex	1450E3
RGB	20, 80, 227
RGB Percent	8%, 31%, 89%
CMY	0.9206, 0.6863, 0.1098
CMYK	0.91, 0.65, 0.00, 0.11
HSL	223°, 84%, 48%
HSV	223°, 91%, 89%
XYZ	17.0252, 11.4321, 73.9808
YIQ	78.8180, -82.9470, 32.9970

Conversions

Conversions Part 2

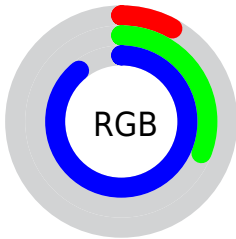
Format	Color
R _Y B	20, 67, 227
Decimal	1331427
CIE Lab	40.30, 39.18, -78.76
CIE LCh	40, 87.968, 296.451
Yxy	11.4321, 0.1662, 0.1116
Android (android.graphics.Color)	4279521507 (0xFF1450E3)
YUV	78.8180, 73.0537, -51.5834
Hunter-Lab	33.8114, 30.7111, -106.0612

Details

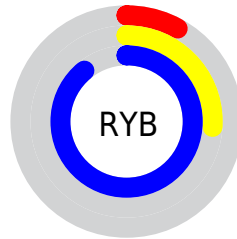
The Yxy color **11.4321, 0.1662, 0.1116** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **44.1143, 0.4730, 0.4568**, and the grayscale version is **7.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3000, 0.2071, 0.1678**, and **4.2254, 0.1566, 0.0836** is the 20% darker color. If you saturate the color by 10%, you get **9.3946, 0.1598, 0.0951**, and if you desaturate by 10%, it is **14.4470, 0.1765, 0.1338**.

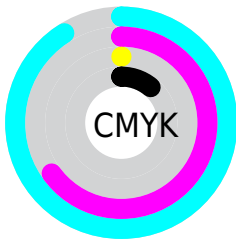
Distribution



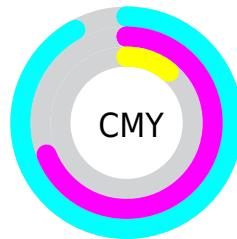
- Red (8%)
- Green (31%)
- Blue (89%)



- Red (8%)
- Yellow (26%)
- Blue (89%)



- Cyan (91%)
- Magenta (65%)
- Yellow (0%)
- Black (11%)





- Cyan (92%)
- Magenta (69%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4321, 0.1662, 0.1116 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 11.4321, 0.1662, 0.1116 by changing the saturation by 10% instead.


 11.4321, 0.1662,
0.1116


 11.4321, 0.1662,
0.1116


200.6085, 0.2476,
0.2174


 6.3583, 0.1458,
0.0896


 28.4565, 0.1965,
0.1475


 3.0641, 0.1207,
0.0649

 41.1758, 0.2078,
0.1619

 1.1653, 0.0903,
0.0390

 57.2124, 0.2172,
0.1744

 0.0331, 0.0565,
0.0019

 76.9507, 0.2252,
0.1853

 0.0000, 0.0000,
0.0000

 100.7750, 0.2321,
0.1948

129.0699, 0.2380,

0.2033

162.2195, 0.2431,
0.2107

■ 11.4321, 0.1662,
0.1116

■ 11.4321, 0.1662,
0.1116

■ 9.3946, 0.1598,
0.0951

■ 14.4470, 0.1765,
0.1338

■ 18.3391, 0.1900,
0.1590

■ 23.1823, 0.2061,
0.1860

■ 29.0413, 0.2238,
0.2132

■ 35.9744, 0.2423,
0.2398

■ 44.0353, 0.2607,
0.2648

■ 53.2738, 0.2786,
0.2879

■ 63.7364, 0.2954,
0.3086

■ 75.4673, 0.3111,
0.3271

Harmonies

Analogous

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



11.4321, 0.0944, 0.1063



11.4321, 0.1662, 0.1116



11.4321, 0.3095, 0.1475

Triad

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



11.4321, 0.1662, 0.1116



11.4321, 0.6218, 0.3782



11.4321, 0.1142, 0.4624

Complementary

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



11.4321, 0.1662, 0.1116



44.1143, 0.4730, 0.4568

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.



11.4321, 0.2215, 0.6856



11.4321, 0.1662, 0.1116



11.4321, 0.5039, 0.4961

Square

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



11.4321, 0.1662, 0.1116



11.4321, 0.6421, 0.2907



11.4321, 0.3591, 0.6409



11.4321, 0.0680, 0.2323

Rectangle

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



11.4321, 0.1662, 0.1116



11.4321, 0.4444, 0.1890



11.4321, 0.3591, 0.6409



11.4321, 0.1442, 0.5586

Sweetspot

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



11.4323, 0.1662, 0.1116



61.8415, 0.2678, 0.2741



57.8042, 0.2517, 0.4211



12.3843, 0.2616, 0.2660



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.



11.4323, 0.1662, 0.1116



12.0750, 0.1595, 0.0940



7.0660, 0.1669, 0.0733



14.5621, 0.2981, 0.3118



5.6528, 0.1605, 0.0976



0.5733, 0.1684, 0.1263

Inverse Universe

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



17.4186, 0.5564, 0.2904



21.7501, 0.5849, 0.2996



65.3837, 0.3854, 0.5276



14.4361, 0.3247, 0.3222



9.7684, 0.5795, 0.2966



0.7375, 0.5378, 0.2736

Previews

White Background



This preview shows how the Yxy color 11.4321, 0.1662, 0.1116 looks on a white background.

Color Contrast Check

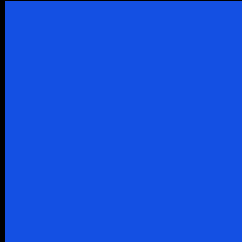
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.4321, 0.1662, 0.1116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

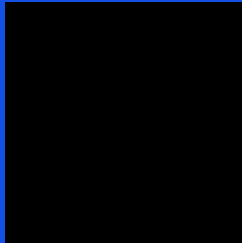
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4321, 0.1662, 0.1116

Background



This preview shows how black text looks on a background with the Yxy color 11.4321, 0.1662, 0.1116.



This preview shows how white text looks on a background with the Yxy color 11.4321, 0.1662, 0.1116.

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

11.4321, 0.1662, 0.1116

Protanopia

11.2879, 0.1747, 0.1487

Deuteranopia

11.2297, 0.1863, 0.1906



Tritanopia

11.2508, 0.2202, 0.3128

Trichromacy



Original Color

11.4321, 0.1662, 0.1116

Protanomaly

11.2693, 0.1709, 0.1327

Deuteranomaly

11.1152, 0.1768, 0.1535

Tritanomaly

10.7108, 0.1912, 0.2044

Monochromacy



Original Color

11.4321, 0.1662, 0.1116

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.1850, 0.2179, 0.2033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4321, 0.1662, 0.1116 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(20, 80, 227)` looks like.

```
.text, #text, p{  
  color:rgb(20, 80, 227)  
}
```

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(20, 80, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 80, 227) }
```

Border

The CSS property to change the border of an element to Yxy 11.4321, 0.1662, 0.1116 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(20, 80, 227) }
```

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

```
.border{ border-color:rgb(20, 80, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 80, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 80, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 80, 227);  
box-shadow:4px 4px 4px 4px rgb(20, 80,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4321, 0.1662, 0.1116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 80, 227) }
```

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

```
.background{ background-color: rgb(20, 80,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor