

Converting Colors

$Yxy(12.6633, 0.1740, 0.1464)$

Have a look what the booklet for
Yxy(12.6633, 0.1740, 0.1464)
contains.

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Color

Yxy(12.7254, 0.1742, 0.1470)

Conversions

Conversions Part 1

Format	Color
Hex	0060CC
RGB	0, 96, 204
RGB Percent	0%, 38%, 80%
CMY	0.9989, 0.6235, 0.2002
CMYK	1.00, 0.53, 0.00, 0.20
HSL	212°, 100%, 40%
HSV	212°, 100%, 80%
XYZ	15.0800, 12.7254, 58.7619
YIQ	79.6080, -91.8840, 13.2360

Conversions

Conversions Part 2

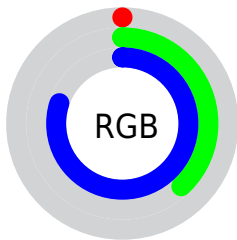
Format	Color
R _{YB}	0, 65, 204
Decimal	24780
CIE _{Lab}	42.35, 19.19, -62.24
CIE _{LCh}	42, 65.126, 287.135
Y _{xy}	12.7254, 0.1742, 0.1470
Android (android.graphics.Color)	4278214860 (0xFF0060CC)
Y _{UV}	79.6080, 61.3253, -69.8162
Hunter-Lab	35.6727, 13.0307, -72.6947

Details

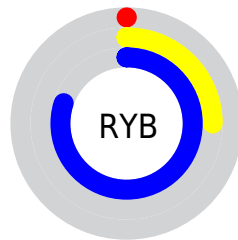
The Yxy color **12.7254, 0.1742, 0.1470** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **23.6048, 0.5326, 0.4152**, and the grayscale version is **7.8507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4304, 0.2058, 0.1871**, and **4.5376, 0.1648, 0.1131** is the 20% darker color. If you saturate the color by 10%, you get **12.6980, 0.1741, 0.1468**, and if you desaturate by 10%, it is **14.9899, 0.1815, 0.1655**.

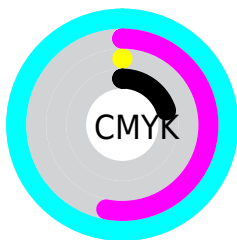
Distribution



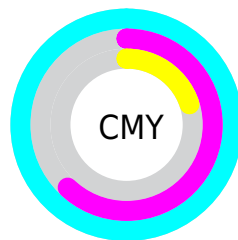
- Red (0%)
- Green (38%)
- Blue (80%)



- Red (0%)
- Yellow (25%)
- Blue (80%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7254, 0.1742, 0.1470 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 12.7254, 0.1742, 0.1470 by changing the saturation by 10% instead.


 12.7254, 0.1742,
0.1470


 12.7254, 0.1742,
0.1470


209.1502, 0.2514,
0.2421


 7.2397, 0.1540,
0.1244


 30.8096, 0.2034,
0.1813


 3.6125, 0.1284,
0.0972


 44.1768, 0.2141,
0.1944


 1.4592, 0.0964,
0.0655

 60.9401, 0.2230,
0.2055

 0.2598, 0.0585,
0.0212

 81.4838, 0.2305,
0.2149

 0.0000, 0.0000,
0.0000

 106.1922, 0.2369,
0.2231

135.4499, 0.2424,

0.2303

169.6411, 0.2472,
0.2365

■ 12.7254, 0.1742,
0.1470

■ 12.7254, 0.1742,
0.1470

■ 12.6980, 0.1741,
0.1468

■ 14.9899, 0.1815,
0.1655

■ 17.6985, 0.1911,
0.1853

■ 20.9158, 0.2030,
0.2059

■ 24.6805, 0.2169,
0.2266

■ 29.0264, 0.2323,
0.2468

■ 33.9840, 0.2485,
0.2661

■ 39.5813, 0.2650,
0.2842

■ 45.8439, 0.2815,
0.3007

■ 52.7963, 0.2975,
0.3157

Harmonies

Analogous

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



12.7254, 0.1220, 0.1534



12.7254, 0.1742, 0.1470



12.7254, 0.2734, 0.1708

Triad

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



12.7254, 0.1742, 0.1470



12.7254, 0.5718, 0.3698



12.7254, 0.1909, 0.4809

Complementary

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



12.7254, 0.1742, 0.1470



23.6048, 0.5326, 0.4152

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.



12.7254, 0.2980, 0.5895



12.7254, 0.1742, 0.1470



12.7254, 0.5166, 0.4594

Square

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



12.7254, 0.1742, 0.1470



12.7254, 0.5392, 0.2922



12.7254, 0.4143, 0.5530



12.7254, 0.1249, 0.3083

Rectangle

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



12.7254, 0.1742, 0.1470



12.7254, 0.3656, 0.2024



12.7254, 0.4143, 0.5530



12.7254, 0.2236, 0.5330

Sweetspot

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



12.7257, 0.1742, 0.1470



65.0680, 0.2642, 0.2832



44.1983, 0.2711, 0.4959



13.0563, 0.2571, 0.2757



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.



12.7257, 0.1742, 0.1470



20.6168, 0.1735, 0.1445



4.3871, 0.1505, 0.0603



11.6989, 0.2983, 0.3164



8.1789, 0.1748, 0.1493



0.5734, 0.1851, 0.1863

Inverse Universe

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



13.6820, 0.5098, 0.2583



22.6124, 0.5131, 0.2600



55.5239, 0.4164, 0.5075



11.3000, 0.3218, 0.3182



8.6287, 0.5068, 0.2566



0.4604, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 12.7254, 0.1742, 0.1470 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 12.7254, 0.1742, 0.1470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

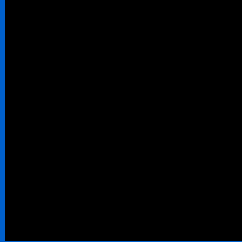
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7254, 0.1742, 0.1470

Background



This preview shows how black text looks on a background with the Yxy color 12.7254, 0.1742, 0.1470.



This preview shows how white text looks on a background with the Yxy color 12.7254, 0.1742, 0.1470.

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

12.7254, 0.1742, 0.1470

Protanopia

12.7899, 0.1752, 0.1474

Deuteranopia

12.6373, 0.1849, 0.1856



Tritanopia

12.6769, 0.2198, 0.3111

Trichromacy



Original Color

12.7254, 0.1742, 0.1470

Protanomaly

12.7641, 0.1748, 0.1472

Deuteranomaly

12.6595, 0.1807, 0.1705

Tritanomaly

12.4780, 0.1983, 0.2339

Monochromacy



Original Color

12.7254, 0.1742, 0.1470

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.8401, 0.2215, 0.2332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7254, 0.1742, 0.1470 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, 96, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 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, 96, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 204) }
```

Border

The CSS property to change the border of an element to Yxy 12.7254, 0.1742, 0.1470 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, 96, 204) }
```

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

```
.border{ border-color:rgb(0, 96, 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, 96, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 204)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7254, 0.1742, 0.1470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 204) }
```

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

```
.background{ background-color: rgb(0, 96,  
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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