

Converting Colors

$Yxy(12.8477, 0.1738, 0.1456)$

Have a look what the booklet for
Yxy(12.8477, 0.1738, 0.1456)
contains.

Yxy(12.8220, 0.1737, 0.1454)	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(12.8220, 0.1737, 0.1454)

Conversions

Conversions Part 1

Format	Color
Hex	0060CE
RGB	0, 96, 206
RGB Percent	0%, 38%, 81%
CMY	1.0000, 0.6235, 0.1922
CMYK	1.00, 0.53, 0.00, 0.19
HSL	212°, 100%, 40%
HSV	212°, 100%, 81%
XYZ	15.3176, 12.8220, 60.0447
YIQ	79.8360, -92.5260, 13.8580

Conversions

Conversions Part 2

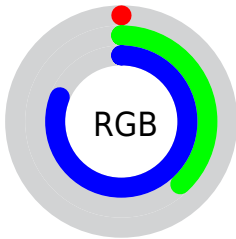
Format	Color
RYB	0, 65, 206
Decimal	24782
CIELab	42.49, 19.97, -63.16
CIELCh	42, 66.239, 287.544
Yxy	12.8220, 0.1737, 0.1454
Android (android.graphics.Color)	4278214862 (0xFF0060CE)
YUV	79.8360, 62.1989, -70.0162
Hunter-Lab	35.8078, 13.6938, -74.3556

Details

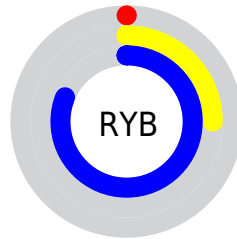
The Yxy color **12.8220, 0.1737, 0.1454** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **24.2609, 0.5318, 0.4159**, and the grayscale version is **7.8812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4871, 0.2063, 0.1873**, and **4.6020, 0.1644, 0.1117** is the 20% darker color. If you saturate the color by 10%, you get **12.8244, 0.1737, 0.1454**, and if you desaturate by 10%, it is **15.1288, 0.1810, 0.1640**.

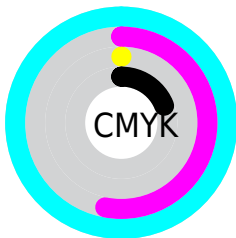
Distribution



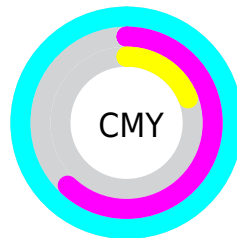
- Red (0%)
- Green (38%)
- Blue (81%)



- Red (0%)
- Yellow (25%)
- Blue (81%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (62%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8220, 0.1737, 0.1454 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 12.8220, 0.1737, 0.1454 by changing the saturation by 10% instead.

■ 12.8220, 0.1737,
0.1454

■ 12.8220, 0.1737,
0.1454

■ 209.7737, 0.2510,
0.2408

■ 7.3061, 0.1535,
0.1229

■ 30.9836, 0.2029,
0.1797

■ 3.6543, 0.1281,
0.0959

■ 44.3981, 0.2136,
0.1928

■ 1.4821, 0.0964,
0.0645

■ 61.2143, 0.2225,
0.2040

■ 0.2761, 0.0590,
0.0217

■ 81.8165, 0.2301,
0.2135

■ 0.0000, 0.0000,
0.0000

■ 106.5892, 0.2365,
0.2218

135.9166, 0.2420,

0.2289

170.1834, 0.2468,
0.2353

■ 12.8220, 0.1737,
0.1454

■ 12.8220, 0.1737,
0.1454

■ 12.8244, 0.1737,
0.1454

■ 15.1288, 0.1810,
0.1640

■ 17.8900, 0.1906,
0.1839

■ 21.1748, 0.2025,
0.2046

■ 25.0234, 0.2165,
0.2254

■ 29.4706, 0.2319,
0.2459

■ 34.5478, 0.2482,
0.2653

■ 40.2840, 0.2648,
0.2836

■ 46.7057, 0.2813,
0.3003

■ 53.8381, 0.2973,
0.3154

Harmonies

Analogous

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



12.8220, 0.1207, 0.1512



12.8220, 0.1737, 0.1454



12.8220, 0.2745, 0.1697

Triad

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



12.8220, 0.1737, 0.1454



12.8220, 0.5744, 0.3703



12.8220, 0.1879, 0.4810

Complementary

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



12.8220, 0.1737, 0.1454



24.2609, 0.5318, 0.4159

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.



12.8220, 0.2954, 0.5932



12.8220, 0.1737, 0.1454



12.8220, 0.5172, 0.4612

Square

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



12.8220, 0.1737, 0.1454



12.8220, 0.5434, 0.2924



12.8220, 0.4129, 0.5564



12.8220, 0.1223, 0.3056

Rectangle

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



12.8220, 0.1737, 0.1454



12.8220, 0.3682, 0.2018



12.8220, 0.4129, 0.5564



12.8220, 0.2206, 0.5347

Sweetspot

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



12.8244, 0.1737, 0.1454



64.9194, 0.2641, 0.2829



45.2539, 0.2696, 0.4905



13.0213, 0.2570, 0.2753



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.



12.8244, 0.1737, 0.1454



20.3835, 0.1731, 0.1433



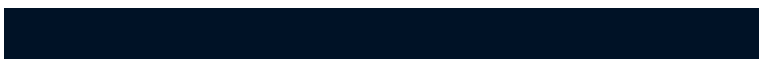
4.4994, 0.1509, 0.0605



11.6917, 0.2983, 0.3163



8.0893, 0.1745, 0.1481



0.5687, 0.1848, 0.1852

Inverse Universe

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



13.9633, 0.5119, 0.2594



22.5889, 0.5147, 0.2609



56.2885, 0.4135, 0.5099



11.2993, 0.3218, 0.3182



8.6196, 0.5084, 0.2575



0.4600, 0.4624, 0.2321

Previews

White Background



This preview shows how the Yxy color 12.8220, 0.1737, 0.1454 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 12.8220, 0.1737, 0.1454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

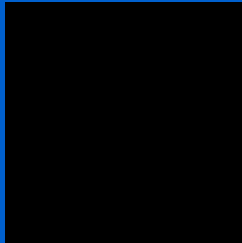
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.8220, 0.1737, 0.1454

Background



This preview shows how black text looks on a background with the Yxy color 12.8220, 0.1737, 0.1454.



This preview shows how white text looks on a background with the Yxy color 12.8220, 0.1737, 0.1454.

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

12.8220, 0.1737, 0.1454

Protanopia

12.7735, 0.1739, 0.1462

Deuteranopia

12.6771, 0.1846, 0.1844



Tritanopia

12.6769, 0.2198, 0.3111

Trichromacy



Original Color

12.8220, 0.1737, 0.1454

Protanomaly

12.7735, 0.1739, 0.1462

Deuteranomaly

12.7452, 0.1801, 0.1684

Tritanomaly

12.5101, 0.1978, 0.2322

Monochromacy



Original Color

12.8220, 0.1737, 0.1454

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.8657, 0.2207, 0.2313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8220, 0.1737, 0.1454 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 206) }
```

Border

The CSS property to change the border of an element to Yxy 12.8220, 0.1737, 0.1454 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, 206) }
```

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

```
.border{ border-color:rgb(0, 96, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 206)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.8220, 0.1737, 0.1454 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, 206) }
```

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

```
.background{ background-color: rgb(0, 96,  
206) }
```

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