

Converting Colors

$Yxy(12.9723, 0.1565, 0.1473)$

Have a look what the booklet for
Yxy(12.9723, 0.1565, 0.1473)
contains.

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Color

Yxy(14.2546, 0.1764, 0.1548)

Conversions

Conversions Part 1

Format	Color
Hex	0167D0
RGB	1, 103, 208
RGB Percent	0%, 40%, 82%
CMY	0.9974, 0.5962, 0.1842
CMYK	1.00, 0.50, 0.00, 0.18
HSL	210°, 99%, 41%
HSV	210°, 100%, 82%
XYZ	16.2436, 14.2546, 61.5858
YIQ	84.4720, -94.4970, 11.0310

Conversions

Conversions Part 2

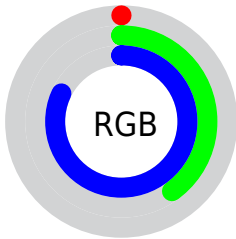
Format	Color
R_{YB}	1, 69, 208
Decimal	92112
CIE _{Lab}	44.60, 16.28, -60.92
CIE _{LCh}	45, 63.063, 284.963
Yxy	14.2546, 0.1764, 0.1548
Android (android.graphics.Color)	4278282192 (0xFF0167D0)
YUV	84.4720, 60.8993, -73.2049
Hunter-Lab	37.7553, 10.7251, -70.2842

Details

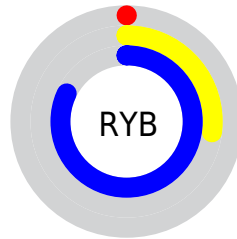
The Yxy color **14.2546, 0.1764, 0.1548** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **23.6649, 0.5393, 0.4097**, and the grayscale version is **8.8303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7118, 0.2084, 0.1965**, and **5.2262, 0.1669, 0.1210** is the 20% darker color. If you saturate the color by 10%, you get **14.1837, 0.1762, 0.1542**, and if you desaturate by 10%, it is **16.6450, 0.1835, 0.1729**.

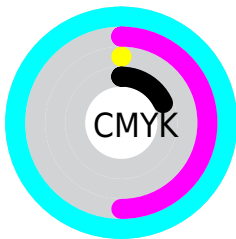
Distribution



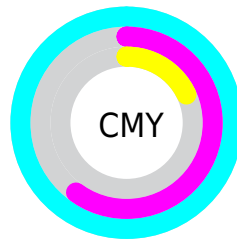
- Red (0%)
- Green (40%)
- Blue (82%)



- Red (0%)
- Yellow (27%)
- Blue (82%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (60%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2546, 0.1764, 0.1548 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 14.2546, 0.1764, 0.1548 by changing the saturation by 10% instead.


 14.2546, 0.1764,
0.1548

 14.2546, 0.1764,
0.1548


218.8090, 0.2514,
0.2455


 8.2980, 0.1570,
0.1331


 33.5401, 0.2045,
0.1876


 4.2862, 0.1325,
0.1068

 47.6377, 0.2149,
0.2000


 1.8349, 0.1018,
0.0755

 65.2178, 0.2236,
0.2106

 0.5088, 0.0648,
0.0374

 86.6648, 0.2309,
0.2196

 0.0000, 0.0000,
0.0000

 112.3630, 0.2372,
0.2275

142.6968, 0.2425,

0.2343

178.0507, 0.2472,
0.2402

■ 14.2546, 0.1764,
0.1548

■ 14.2546, 0.1764,
0.1548

■ 14.1837, 0.1762,
0.1542

■ 16.6450, 0.1835,
0.1729

■ 19.4816, 0.1928,
0.1920

■ 22.8285, 0.2045,
0.2117

■ 26.7249, 0.2181,
0.2315

■ 31.2050, 0.2332,
0.2508

■ 36.2995, 0.2492,
0.2693

■ 42.0365, 0.2655,
0.2864

■ 48.4420, 0.2819,
0.3022

■ 55.5403, 0.2978,
0.3166

Harmonies

Analogous

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



14.2546, 0.1283, 0.1639



14.2546, 0.1764, 0.1548



14.2546, 0.2680, 0.1758

Triad

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



14.2546, 0.1764, 0.1548



14.2546, 0.5586, 0.3662



14.2546, 0.2059, 0.4804

Complementary

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



14.2546, 0.1764, 0.1548



23.6649, 0.5393, 0.4097

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.



14.2546, 0.3104, 0.5724



14.2546, 0.1764, 0.1548



14.2546, 0.5139, 0.4506

Square

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



14.2546, 0.1764, 0.1548



14.2546, 0.5186, 0.2909



14.2546, 0.4207, 0.5369



14.2546, 0.1378, 0.3216

Rectangle

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



14.2546, 0.1764, 0.1548



14.2546, 0.3529, 0.2051



14.2546, 0.4207, 0.5369



14.2546, 0.2382, 0.5256

Sweetspot

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



14.2550, 0.1764, 0.1548



65.9811, 0.2644, 0.2853



46.1349, 0.2727, 0.5015



13.2716, 0.2574, 0.2781



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.



14.2550, 0.1764, 0.1548



22.0940, 0.1756, 0.1523



4.5741, 0.1501, 0.0602



12.3672, 0.2982, 0.3169



9.0305, 0.1769, 0.1567



0.6636, 0.1862, 0.1904

Inverse Universe

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



14.4068, 0.4997, 0.2528



22.7615, 0.5030, 0.2545



58.5391, 0.4193, 0.5052



11.9041, 0.3214, 0.3176



8.9829, 0.4973, 0.2513



0.5183, 0.4563, 0.2288

Previews

White Background



This preview shows how the Yxy color 14.2546, 0.1764, 0.1548 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 14.2546, 0.1764, 0.1548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

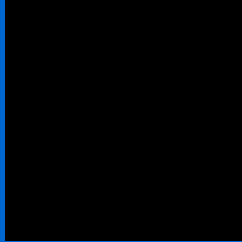
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2546, 0.1764, 0.1548

Background



This preview shows how black text looks on a background with the Yxy color 14.2546, 0.1764, 0.1548.

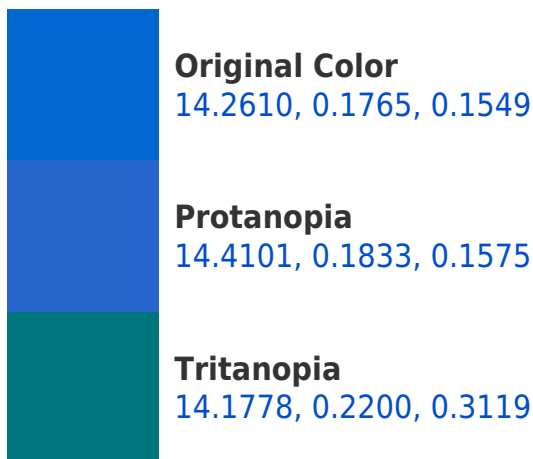


This preview shows how white text looks on a background with the Yxy color 14.2546, 0.1764, 0.1548.

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



Trichromacy



Original Color

14.2610, 0.1765, 0.1549

Protanomaly

14.2273, 0.1795, 0.1554

Tritanomaly

13.9549, 0.1993, 0.2375

Monochromacy



Original Color

14.2610, 0.1765, 0.1549

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.8514, 0.2236, 0.2388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2546, 0.1764, 0.1548 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(1, 103, 208)` looks like.

```
.text, #text, p{  
    color:rgb(1, 103, 208)  
}
```

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(1, 103, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 103, 208) }
```

Border

The CSS property to change the border of an element to Yxy 14.2546, 0.1764, 0.1548 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(1, 103, 208) }
```

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

```
.border{ border-color:rgb(1, 103, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 103, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 103, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 103, 208); box-shadow:4px 4px 4px 4px rgb(1, 103, 208) }
```

Background

The CSS property to change the background color of an element to Yxy 14.2546, 0.1764, 0.1548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 103, 208) }
```

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

```
.background{ background-color: rgb(1, 103,  
208) }
```

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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