

Converting Colors

$Y_{xy}(14.8656, 0.1953, 0.1601)$

Have a look what the booklet for
Yxy(14.8656, 0.1953, 0.1601)
contains.

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Color

Yxy(14.8242, 0.1955, 0.1601)

Conversions

Conversions Part 1

Format	Color
Hex	4664CD
RGB	70, 100, 205
RGB Percent	27%, 39%, 80%
CMY	0.7255, 0.6078, 0.1961
CMYK	0.66, 0.51, 0.00, 0.20
HSL	227°, 57%, 54%
HSV	227°, 66%, 80%
XYZ	18.1020, 14.8242, 59.6672
YIQ	103.0000, -51.5850, 26.2950

Conversions

Conversions Part 2

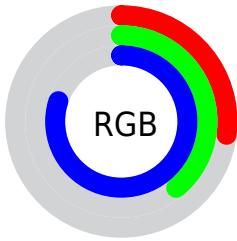
Format	Color
R_{YB}	70, 95, 205
Decimal	4613325
CIE _{Lab}	45.39, 23.05, -57.82
CIE _{LCh}	45, 62.241, 291.737
Yxy	14.8242, 0.1955, 0.1601
Android (android.graphics.Color)	4282803405 (0xFF4664CD)
YUV	103.0000, 50.2860, -28.9410
Hunter-Lab	38.5022, 16.5438, -64.9306

Details

The Yxy color **14.8242, 0.1955, 0.1601** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **44.0802, 0.4255, 0.4507**, and the grayscale version is **13.4385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9382, 0.2243, 0.1978**, and **4.8403, 0.1661, 0.1178** is the 20% darker color. If you saturate the color by 10%, you get **11.4230, 0.1799, 0.1327**, and if you desaturate by 10%, it is **19.0849, 0.2133, 0.1891**.

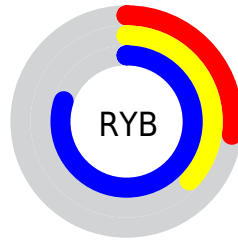
Distribution



Red (27%)

Green (39%)

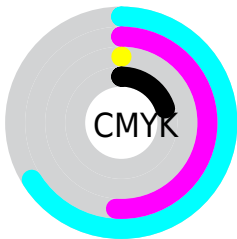
Blue (80%)



Red (27%)

Yellow (37%)

Blue (80%)

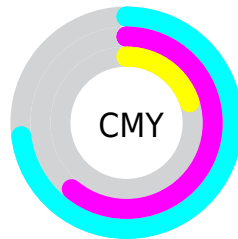


Cyan (66%)

Magenta (51%)

Yellow (0%)

Black (20%)



Cyan (73%)

Magenta (61%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.8242, 0.1955, 0.1601 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 14.8242, 0.1955, 0.1601 by changing the saturation by 10% instead.

■ 14.8242, 0.1955,
0.1601

■ 14.8242, 0.1955,
0.1601

■ 222.2997, 0.2611,
0.2476

■ 8.6961, 0.1778,
0.1390

■ 34.5445, 0.2206,
0.1917

■ 4.5435, 0.1550,
0.1133

■ 48.9054, 0.2297,
0.2037

■ 1.9820, 0.1253,
0.0823

■ 66.7795, 0.2372,
0.2139

■ 0.5970, 0.0874,
0.0448

■ 88.5510, 0.2436,
0.2226

■ 0.0000, 0.0122,
0.0000

■ 114.6044, 0.2489,
0.2301

■ 0.0000, 0.0000,
0.0000

145.3240, 0.2536,

0.2367

181.0943, 0.2576,
0.2425

■ 14.8242, 0.1955,
0.1601

■ 14.8242, 0.1955,
0.1601

■ 11.4230, 0.1799,
0.1327

■ 19.0849, 0.2133,
0.1891

■ 8.8172, 0.1676,
0.1086

■ 24.2599, 0.2322,
0.2183

■ 6.9340, 0.1590,
0.0892

■ 30.4006, 0.2514,
0.2463

■ 6.3282, 0.1563,
0.0826

■ 37.5544, 0.2700,
0.2725

■ 45.7651, 0.2876,
0.2964

■ 55.0740, 0.3038,
0.3177

■ 65.5204, 0.3187,
0.3365

■ 77.1411, 0.3321,
0.3530

■ 89.9718, 0.3441,
0.3673

Harmonies

Analogous

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



14.8242, 0.1390, 0.1621



14.8242, 0.1955, 0.1601



14.8242, 0.2957, 0.1871

Triad

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



14.8242, 0.1955, 0.1601



14.8242, 0.5499, 0.3848



14.8242, 0.1895, 0.4416

Complementary

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



14.8242, 0.1955, 0.1601



44.0802, 0.4255, 0.4507

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.



14.8242, 0.2870, 0.5571



14.8242, 0.1955, 0.1601



14.8242, 0.4931, 0.4695

Square

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



14.8242, 0.1955, 0.1601



14.8242, 0.5306, 0.3086



14.8242, 0.3963, 0.5480



14.8242, 0.1327, 0.2924

Rectangle

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



14.8242, 0.1955, 0.1601



14.8242, 0.3826, 0.2198



14.8242, 0.3963, 0.5480



14.8242, 0.2187, 0.4911

Sweetspot

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



14.8246, 0.1955, 0.1601



68.8294, 0.2800, 0.2862



48.0031, 0.2509, 0.3770



13.9219, 0.2749, 0.2793



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.



14.8246, 0.1955, 0.1601



16.7883, 0.1744, 0.1223



11.8515, 0.2127, 0.1316



11.2417, 0.2983, 0.3104



4.0573, 0.1569, 0.0847



0.3261, 0.1673, 0.1223

Inverse Universe

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



18.2794, 0.4788, 0.2950



24.7446, 0.5357, 0.2961



52.5419, 0.3718, 0.4971



11.2538, 0.3256, 0.3239



8.2126, 0.5995, 0.3076



0.4355, 0.5434, 0.2767

Previews

White Background



This preview shows how the Yxy color 14.8242, 0.1955, 0.1601 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 14.8242, 0.1955, 0.1601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

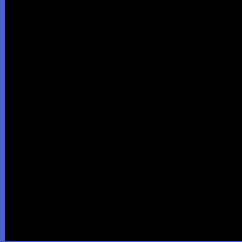
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8242, 0.1955, 0.1601

Background



This preview shows how black text looks on a background with the Yxy color 14.8242, 0.1955, 0.1601.



This preview shows how white text looks on a background with the Yxy color 14.8242, 0.1955, 0.1601.

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

14.8242, 0.1955, 0.1601

Protanopia

14.8175, 0.1838, 0.1569

Deuteranopia

14.6989, 0.1838, 0.1817



Tritanopia

14.7844, 0.2196, 0.3076

Trichromacy



Original Color

14.8242, 0.1955, 0.1601

Protanomaly

14.8137, 0.1872, 0.1576

Deuteranomaly

14.5003, 0.1843, 0.1722

Tritanomaly

14.2499, 0.2047, 0.2371

Monochromacy



Original Color

14.8242, 0.1955, 0.1601

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6203, 0.2549, 0.2516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8242, 0.1955, 0.1601 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(70, 100, 205)` looks like.

```
.text, #text, p{  
    color:rgb(70, 100, 205)  
}
```

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(70, 100, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 100, 205) }
```

Border

The CSS property to change the border of an element to Yxy 14.8242, 0.1955, 0.1601 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(70, 100, 205) }
```

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

```
.border{ border-color:rgb(70, 100, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 100, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 100, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 100, 205);  
box-shadow:4px 4px 4px 4px rgb(70, 100,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8242, 0.1955, 0.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 100, 205) }
```

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

```
.background{ background-color: rgb(70, 100,  
205) }
```

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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