

Converting Colors

$Yxy(16.0905, 0.1834, 0.1605)$

Have a look what the booklet for
Yxy(16.0905, 0.1834, 0.1605)
contains.

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Color

Yxy(16.0115, 0.1832, 0.1600)

Conversions

Conversions Part 1

Format	Color
Hex	276CD6
RGB	39, 108, 214
RGB Percent	15%, 42%, 84%
CMY	0.8472, 0.5764, 0.1609
CMYK	0.82, 0.50, 0.00, 0.16
HSL	216°, 69%, 50%
HSV	216°, 82%, 84%
XYZ	18.3332, 16.0115, 65.7272
YIQ	99.4530, -75.1500, 18.3380

Conversions

Conversions Part 2

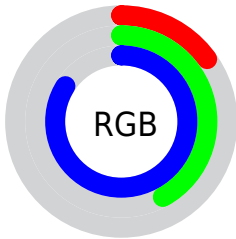
Format	Color
R _Y B	39, 88, 214
Decimal	2583766
CIE Lab	46.99, 17.39, -60.43
CIE LCh	47, 62.877, 286.052
Yxy	16.0115, 0.1832, 0.1600
Android (android.graphics.Color)	4280773846 (0xFF276CD6)
YUV	99.4530, 56.4717, -53.0173
Hunter-Lab	40.0144, 11.7572, -69.3791

Details

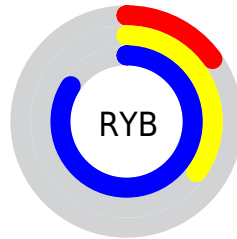
The Yxy color **16.0115, 0.1832, 0.1600** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **34.6703, 0.4808, 0.4363**, and the grayscale version is **12.4651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5270, 0.2163, 0.2062**, and **5.9139, 0.1684, 0.1261** is the 20% darker color. If you saturate the color by 10%, you get **13.1726, 0.1735, 0.1388**, and if you desaturate by 10%, it is **19.4927, 0.1956, 0.1828**.

Distribution



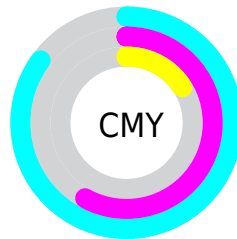
- Red (15%)
- Green (42%)
- Blue (84%)



- Red (15%)
- Yellow (35%)
- Blue (84%)



- Cyan (82%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)



- Cyan (85%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0115, 0.1832, 0.1600 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 16.0115, 0.1832, 0.1600 by changing the saturation by 10% instead.

■ 16.0115, 0.1832,
0.1600

■ 16.0115, 0.1832,
0.1600

■ 229.4096, 0.2538,
0.2470

■ 9.5323, 0.1650,
0.1393

■ 36.6182, 0.2096,
0.1913

■ 5.0900, 0.1421,
0.1142

■ 51.5144, 0.2193,
0.2032

■ 2.3001, 0.1129,
0.0841

■ 69.9851, 0.2275,
0.2133

■ 0.7738, 0.0770,
0.0496

■ 92.4147, 0.2344,
0.2220

■ 0.0000, 0.0137,
0.0000

■ 119.1876, 0.2403,
0.2295

■ 0.0000, 0.0000,
0.0000

150.6880, 0.2454,

0.2361

187.3006, 0.2499,
0.2418

■ 16.0115, 0.1832,
0.1600

■ 16.0115, 0.1832,
0.1600

■ 13.1726, 0.1735,
0.1388

■ 19.4927, 0.1956,
0.1828

■ 11.2591, 0.1675,
0.1230

■ 23.6661, 0.2102,
0.2064

■ 28.5769, 0.2264,
0.2298

■ 34.2654, 0.2435,
0.2523

■ 40.7683, 0.2608,
0.2735

■ 48.1199, 0.2779,
0.2930

■ 56.3521, 0.2944,
0.3106

■ 65.4951, 0.3100,
0.3264

■ 75.5778, 0.3246,
0.3404

Harmonies

Analogous

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



16.0115, 0.1345, 0.1681



16.0115, 0.1832, 0.1600



16.0115, 0.2740, 0.1815

Triad

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



16.0115, 0.1832, 0.1600



16.0115, 0.5500, 0.3701



16.0115, 0.2073, 0.4681

Complementary

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



16.0115, 0.1832, 0.1600



34.6703, 0.4808, 0.4363

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.



16.0115, 0.3084, 0.5609



16.0115, 0.1832, 0.1600



16.0115, 0.5061, 0.4524

Square

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



16.0115, 0.1832, 0.1600



16.0115, 0.5135, 0.2957



16.0115, 0.4158, 0.5335



16.0115, 0.1419, 0.3178

Rectangle

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



16.0115, 0.1832, 0.1600



16.0115, 0.3566, 0.2109



16.0115, 0.4158, 0.5335



16.0115, 0.2384, 0.5120

Sweetspot

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



16.0119, 0.1832, 0.1600



67.6455, 0.2721, 0.2864



50.5254, 0.2601, 0.4394



13.6508, 0.2660, 0.2795



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.



16.0119, 0.1832, 0.1600



17.0905, 0.1683, 0.1249



7.1572, 0.1690, 0.0833



12.8044, 0.2982, 0.3145



6.9967, 0.1683, 0.1257



0.5811, 0.1779, 0.1604

Inverse Universe

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



16.8247, 0.4885, 0.2638



22.3638, 0.5394, 0.2755



60.0279, 0.3997, 0.5073



12.5011, 0.3230, 0.3198



9.0512, 0.5387, 0.2741



0.5620, 0.4926, 0.2487

Previews

White Background



This preview shows how the Yxy color 16.0115, 0.1832, 0.1600 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 16.0115, 0.1832, 0.1600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

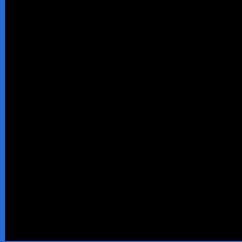
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

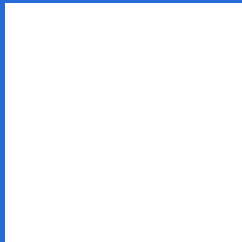
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.0115, 0.1832, 0.1600

Background



This preview shows how black text looks on a background with the Yxy color 16.0115, 0.1832, 0.1600.



This preview shows how white text looks on a background with the Yxy color 16.0115, 0.1832, 0.1600.

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

16.0115, 0.1832, 0.1600

Protanopia

15.9725, 0.1862, 0.1604

Deuteranopia

15.8875, 0.1837, 0.1813



Tritanopia

15.8046, 0.2196, 0.3104

Trichromacy



Original Color

16.0115, 0.1832, 0.1600

Protanomaly

15.8774, 0.1848, 0.1599

Deuteranomaly

15.8219, 0.1825, 0.1722

Tritanomaly

15.6234, 0.2022, 0.2413

Monochromacy



Original Color

16.0115, 0.1832, 0.1600

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.0036, 0.2396, 0.2469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0115, 0.1832, 0.1600 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(39, 108, 214)` looks like.

```
.text, #text, p{  
    color:rgb(39, 108, 214)  
}
```

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(39, 108, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 108, 214) }
```

Border

The CSS property to change the border of an element to Yxy 16.0115, 0.1832, 0.1600 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(39, 108, 214) }
```

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

```
.border{ border-color:rgb(39, 108, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 108, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 108, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 108, 214);  
box-shadow:4px 4px 4px 4px rgb(39, 108,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0115, 0.1832, 0.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 108, 214) }
```

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

```
.background{ background-color: rgb(39, 108,  
214) }
```

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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