

Converting Colors

$Y_{xy}(16.0828, 0.2261, 0.1830)$

Have a look what the booklet for
Yxy(16.0828, 0.2261, 0.1830)
contains.

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Color

Yxy(16.0562, 0.2263, 0.1828)

Conversions

Conversions Part 1

Format	Color
Hex	6865C0
RGB	104, 101, 192
RGB Percent	41%, 40%, 75%
CMY	0.5920, 0.6039, 0.2472
CMYK	0.46, 0.47, 0.00, 0.25
HSL	242°, 42%, 57%
HSV	242°, 47%, 75%
XYZ	19.8770, 16.0562, 51.9016
YIQ	112.2710, -27.4230, 28.9370

Conversions

Conversions Part 2

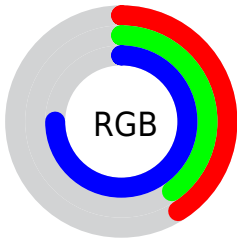
Format	Color
RYB	104, 101, 192
Decimal	6841792
CIELab	47.05, 25.03, -47.53
CIELCh	47, 53.714, 297.768
Yxy	16.0562, 0.2263, 0.1828
Android (android.graphics.Color)	4285031872 (0xFF6865C0)
YUV	112.2710, 39.3064, -7.2537
Hunter-Lab	40.0702, 18.4230, -48.7472

Details

The Yxy color **16.0562, 0.2263, 0.1828** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **49.4343, 0.3790, 0.4445**, and the grayscale version is **16.1773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7696, 0.2460, 0.2113**, and **5.1017, 0.1932, 0.1383** is the 20% darker color. If you saturate the color by 10%, you get **11.7630, 0.2055, 0.1483**, and if you desaturate by 10%, it is **21.4653, 0.2472, 0.2178**.

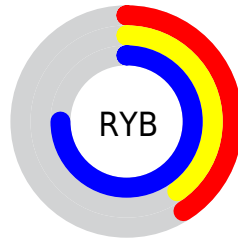
Distribution



Red (41%)

Green (40%)

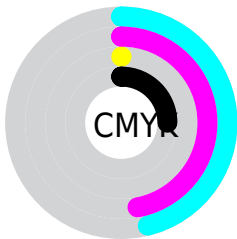
Blue (75%)



Red (41%)

Yellow (40%)

Blue (75%)

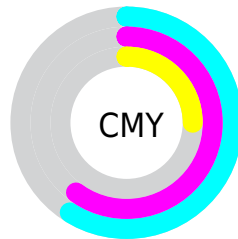


Cyan (46%)

Magenta (47%)

Yellow (0%)

Black (25%)



Cyan (59%)


Magenta (60%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0562, 0.2263, 0.1828 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 16.0562, 0.2263, 0.1828 by changing the saturation by 10% instead.


 16.0562, 0.2263,
0.1828


 16.0562, 0.2263,
0.1828


229.6731, 0.2759,
0.2596


 9.5639, 0.2121,
0.1634


 36.6957, 0.2457,
0.2111


 5.1108, 0.1931,
0.1390


 51.6118, 0.2526,
0.2217

 2.3124, 0.1667,
0.1080

 70.1046, 0.2583,
0.2305

 0.7803, 0.1296,
0.0691

 92.5585, 0.2630,
0.2381

 0.0000, 0.0604,
0.0000

119.3579, 0.2670,
0.2446

 0.0000, 0.0000,
0.0000

150.8872, 0.2704,

0.2503

187.5308, 0.2733,
0.2552

■ 16.0562, 0.2263,
0.1828

■ 16.0562, 0.2263,
0.1828

■ 11.7630, 0.2055,
0.1483

■ 21.4653, 0.2472,
0.2178

■ 8.5065, 0.1863,
0.1168

■ 28.0591, 0.2672,
0.2515

■ 6.1994, 0.1703,
0.0908

■ 35.9026, 0.2855,
0.2826

■ 4.7396, 0.1588,
0.0725

■ 45.0556, 0.3019,
0.3105

■ 3.9861, 0.1521,
0.0625

■ 55.5743, 0.3163,
0.3351

■ 3.8457, 0.1510,
0.0605

■ 67.5112, 0.3287,
0.3565

■ 80.9165, 0.3394,
0.3750

■ 95.8376, 0.3486,
0.3910

■ 96.5843, 0.3502,
0.3910

Harmonies

Analogous

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



16.0562, 0.1671, 0.1799



16.0562, 0.2263, 0.1828



16.0562, 0.3210, 0.2124

Triad

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



16.0562, 0.2263, 0.1828



16.0562, 0.5138, 0.4002



16.0562, 0.1951, 0.3971

Complementary

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



16.0562, 0.2263, 0.1828



49.4343, 0.3790, 0.4445

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.



16.0562, 0.2767, 0.5041



16.0562, 0.2263, 0.1828



16.0562, 0.4601, 0.4731

Square

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



16.0562, 0.2263, 0.1828



16.0562, 0.5074, 0.3291



16.0562, 0.3733, 0.5248



16.0562, 0.1499, 0.2808

Rectangle

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



16.0562, 0.2263, 0.1828



16.0562, 0.3955, 0.2450



16.0562, 0.3733, 0.5248



16.0562, 0.2189, 0.4385

Sweetspot

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



16.0568, 0.2263, 0.1828



70.0645, 0.2909, 0.2918



42.9384, 0.2497, 0.3243



14.2896, 0.2872, 0.2855



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.0568, 0.2263, 0.1828



20.9657, 0.2045, 0.1465



19.5496, 0.2708, 0.1986



9.7637, 0.2988, 0.3052



2.5955, 0.1512, 0.0607



0.1178, 0.1557, 0.0631

Inverse Universe

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



24.1804, 0.3214, 0.2186



37.5177, 0.3234, 0.1983



44.5046, 0.3385, 0.4622



10.2415, 0.3143, 0.3071



9.9168, 0.3293, 0.1588



0.4303, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 16.0562, 0.2263, 0.1828 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 16.0562, 0.2263, 0.1828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

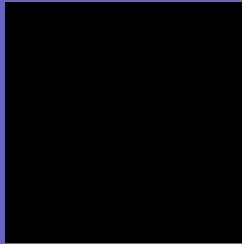
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0562, 0.2263, 0.1828

Background



This preview shows how black text looks on a background with the Yxy color 16.0562, 0.2263, 0.1828.



This preview shows how white text looks on a background with the Yxy color 16.0562, 0.2263, 0.1828.

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

16.0562, 0.2263, 0.1828

Protanopia

16.0776, 0.1999, 0.1780

Deuteranopia

16.0747, 0.1994, 0.1937



Tritanopia

15.9756, 0.2668, 0.3077

Trichromacy



Original Color

16.0562, 0.2263, 0.1828

Protanomaly

15.8380, 0.2079, 0.1788

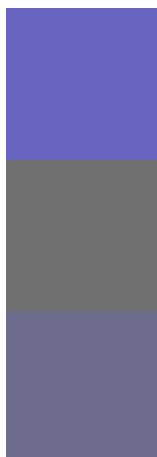
Deuteranomaly

15.8593, 0.2069, 0.1885

Tritanomaly

15.8980, 0.2505, 0.2536

Monochromacy



Original Color

16.0562, 0.2263, 0.1828

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.8994, 0.2756, 0.2660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0562, 0.2263, 0.1828 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(104, 101, 192)` looks like.

```
.text, #text, p{  
    color:rgb(104, 101, 192)  
}
```

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(104, 101, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 101, 192) }
```

Border

The CSS property to change the border of an element to Yxy 16.0562, 0.2263, 0.1828 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(104, 101, 192) }
```

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

```
.border{ border-color:rgb(104, 101, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 101, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 101, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 101, 192);  
box-shadow:4px 4px 4px 4px rgb(104, 101,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0562, 0.2263, 0.1828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 101, 192) }
```

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

```
.background{ background-color: rgb(104,  
101, 192) }
```

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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