

Converting Colors

$Y_{xy}(16.4901, 0.2252, 0.2402)$

Have a look what the booklet for
Yxy(16.4901, 0.2252, 0.2402)
contains.

Yxy(16.4771, 0.2255, 0.2407)	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(16.4771, 0.2255, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	4874A2
RGB	72, 116, 162
RGB Percent	28%, 45%, 64%
CMY	0.7177, 0.5451, 0.3648
CMYK	0.56, 0.28, 0.00, 0.36
HSL	211°, 38%, 46%
HSV	211°, 56%, 64%
XYZ	15.4366, 16.4771, 36.5412
YIQ	108.0880, -40.9900, 4.9780

Conversions

Conversions Part 2

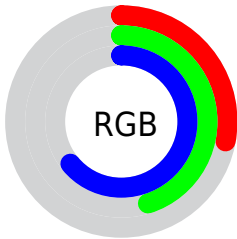
Format	Color
R _Y B	72, 102, 162
Decimal	4748450
CIE Lab	47.59, -1.32, -29.34
CIE LCh	48, 29.370, 267.433
Yxy	16.4771, 0.2255, 0.2407
Android (android.graphics.Color)	4282938530 (0xFF4874A2)
YUV	108.0880, 26.5786, -31.6492
Hunter-Lab	40.5920, -3.1549, -24.9589

Details

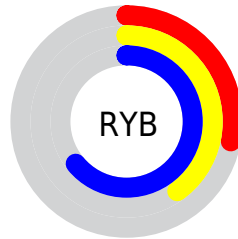
The Yxy color **16.4771, 0.2255, 0.2407** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.0921, 0.4282, 0.4007**, and the grayscale version is **14.9535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5270, 0.2453, 0.2609**, and **5.2794, 0.1913, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **14.1118, 0.2113, 0.2213**, and if you desaturate by 10%, it is **19.1775, 0.2409, 0.2594**.

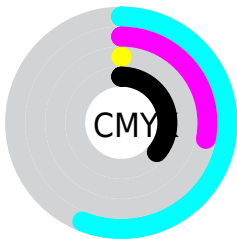
Distribution



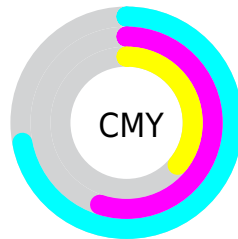
- Red (28%)
- Green (45%)
- Blue (64%)



- Red (28%)
- Yellow (40%)
- Blue (64%)



- Cyan (56%)
- Magenta (28%)
- Yellow (0%)
- Black (36%)



- Cyan (72%)
- Magenta (55%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4771, 0.2255, 0.2407 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 16.4771, 0.2255, 0.2407 by changing the saturation by 10% instead.

■ 16.4771, 0.2255,
0.2407

■ 16.4771, 0.2255,
0.2407

■ 232.1408, 0.2749,
0.2909

■ 9.8624, 0.2112,
0.2260

■ 37.4245, 0.2449,
0.2605

■ 5.3078, 0.1916,
0.2059

■ 52.5260, 0.2518,
0.2675

■ 2.4290, 0.1637,
0.1771

■ 71.2252, 0.2574,
0.2732

■ 0.8407, 0.1221,
0.1339

■ 93.9065, 0.2620,
0.2779

■ 0.0000, 0.0000,
0.0000

■ 120.9543, 0.2660,
0.2819

152.7531, 0.2694,

0.2854

189.6871, 0.2723,
0.2883

■ 16.4771, 0.2255,
0.2407

■ 16.4771, 0.2255,
0.2407

■ 14.1118, 0.2113,
0.2213

■ 19.1775, 0.2409,
0.2594

■ 12.0622, 0.1987,
0.2016

■ 22.2273, 0.2568,
0.2771

■ 10.3091, 0.1881,
0.1823

■ 25.6417, 0.2730,
0.2935

■ 8.8278, 0.1799,
0.1638

■ 29.4347, 0.2889,
0.3085

■ 8.2356, 0.1766,
0.1559

■ 33.6191, 0.3044,
0.3221

■ 38.2072, 0.3192,
0.3342

■ 43.2108, 0.3332,
0.3450

■ 48.6410, 0.3463,
0.3545

■ 54.5085, 0.3586,
0.3628

Harmonies

Analogous

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



16.4771, 0.2093, 0.2631



16.4771, 0.2255, 0.2407



16.4771, 0.2638, 0.2402

Triad

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



16.4771, 0.2255, 0.2407



16.4771, 0.4186, 0.3354



16.4771, 0.2984, 0.4170

Complementary

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



16.4771, 0.2255, 0.2407



21.0921, 0.4282, 0.4007

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.



16.4771, 0.3552, 0.4350



16.4771, 0.2255, 0.2407



16.4771, 0.4276, 0.3802

Square

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



16.4771, 0.2255, 0.2407



16.4771, 0.3773, 0.2926



16.4771, 0.4031, 0.4181



16.4771, 0.2482, 0.3667

Rectangle

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



16.4771, 0.2255, 0.2407



16.4771, 0.2993, 0.2507



16.4771, 0.4031, 0.4181



16.4771, 0.3174, 0.4273

Sweetspot

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



16.4777, 0.2255, 0.2407



52.1878, 0.2861, 0.3060



28.4955, 0.2739, 0.4152



11.4217, 0.2831, 0.3032



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.4777, 0.2255, 0.2407



24.5609, 0.2077, 0.2160



8.6162, 0.2079, 0.1557



7.4053, 0.2987, 0.3172



6.5755, 0.1771, 0.1574



0.2328, 0.1958, 0.2248

Inverse Universe

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



13.5723, 0.3916, 0.2610



20.1765, 0.4202, 0.2500



33.9821, 0.3910, 0.4585



7.1410, 0.3212, 0.3181



6.5079, 0.4964, 0.2508



0.1463, 0.4182, 0.2077

Previews

White Background



This preview shows how the Yxy color 16.4771, 0.2255, 0.2407 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 16.4771, 0.2255, 0.2407 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

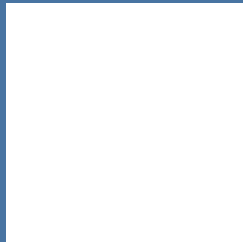
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4771, 0.2255, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 16.4771, 0.2255, 0.2407.

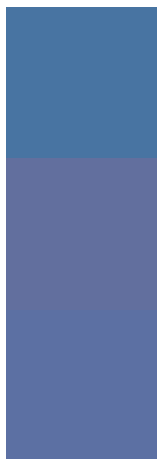


This preview shows how white text looks on a background with the Yxy color 16.4771, 0.2255, 0.2407.

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

16.4771, 0.2255, 0.2407

Protanopia

16.4342, 0.2486, 0.2418

Deuteranopia

16.5080, 0.2393, 0.2349



Tritanopia

16.5457, 0.2411, 0.3071

Trichromacy



Original Color

16.4771, 0.2255, 0.2407

Protanomaly

16.4373, 0.2400, 0.2423

Deuteranomaly

16.3859, 0.2336, 0.2354

Tritanomaly

16.5061, 0.2347, 0.2810

Monochromacy



Original Color

16.4771, 0.2255, 0.2407

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3603, 0.2735, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4771, 0.2255, 0.2407 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(72, 116, 162)` looks like.

```
.text, #text, p{  
    color:rgb(72, 116, 162)  
}
```

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(72, 116, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 116, 162) }
```

Border

The CSS property to change the border of an element to Yxy 16.4771, 0.2255, 0.2407 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(72, 116, 162) }
```

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

```
.border{ border-color:rgb(72, 116, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 116, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 116, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 116, 162);  
box-shadow:4px 4px 4px 4px rgb(72, 116,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4771, 0.2255, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 116, 162) }
```

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

```
.background{ background-color: rgb(72, 116,  
162) }
```

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