

Converting Colors

$Y_{xy}(16.4255, 0.2641, 0.2532)$

Have a look what the booklet for
Yxy(16.4255, 0.2641, 0.2532)
contains.

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Color

Yxy(16.4797, 0.2648, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	6B6E96
RGB	107, 110, 150
RGB Percent	42%, 43%, 59%
CMY	0.5803, 0.5686, 0.4118
CMYK	0.29, 0.27, 0.00, 0.41
HSL	236°, 17%, 50%
HSV	236°, 29%, 59%
XYZ	17.1467, 16.4797, 31.1269
YIQ	113.6630, -14.6280, 11.8040

Conversions

Conversions Part 2

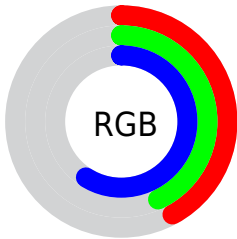
Format	Color
R_{YB}	107, 110, 150
Decimal	7040662
CIE Lab	47.60, 8.39, -22.10
CIE LCh	48, 23.640, 290.795
Yxy	16.4797, 0.2648, 0.2545
Android (android.graphics.Color)	4285230742 (0xFF6B6E96)
YUV	113.6630, 17.9141, -5.8435
Hunter-Lab	40.5952, 4.3535, -17.0447

Details

The Yxy color **16.4797, 0.2648, 0.2545** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.4224, 0.3558, 0.3940**, and the grayscale version is **16.6716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2203, 0.2760, 0.2707**, and **5.3554, 0.2440, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **12.8499, 0.2452, 0.2233**, and if you desaturate by 10%, it is **20.7471, 0.2831, 0.2833**.

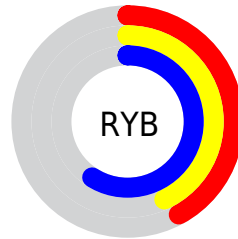
Distribution



Red (42%)

Green (43%)

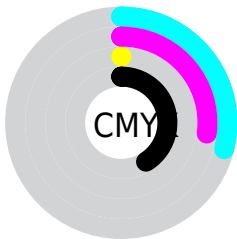
Blue (59%)



Red (42%)

Yellow (43%)

Blue (59%)

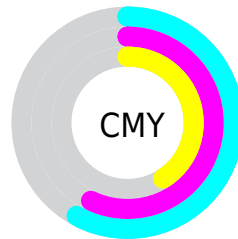


Cyan (29%)

Magenta (27%)

Yellow (0%)

Black (41%)



Cyan (58%)

Magenta (57%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4797, 0.2648, 0.2545 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 16.4797, 0.2648, 0.2545 by changing the saturation by 10% instead.

■ 16.4797, 0.2648,
0.2545

■ 16.4797, 0.2648,
0.2545

232.1559, 0.2927,
0.2966

■ 9.8642, 0.2562,
0.2422

■ 37.4290, 0.2761,
0.2711

■ 5.3090, 0.2439,
0.2251

■ 52.5316, 0.2800,
0.2769

■ 2.4297, 0.2253,
0.2001

■ 71.2321, 0.2831,
0.2817

■ 0.8411, 0.1943,
0.1610

■ 93.9148, 0.2857,
0.2857

■ 0.0000, 0.0000,
0.0000

120.9642, 0.2879,
0.2890

152.7645, 0.2897,

0.2919

189.7003, 0.2913,
0.2944

■ 16.4797, 0.2648,
0.2545

■ 16.4797, 0.2648,
0.2545

■ 12.8499, 0.2452,
0.2233

■ 20.7471, 0.2831,
0.2833

■ 9.8251, 0.2248,
0.1906

■ 25.6786, 0.2998,
0.3091

■ 7.3731, 0.2048,
0.1579

■ 31.3015, 0.3146,
0.3319

■ 5.4576, 0.1864,
0.1271

■ 37.6412, 0.3277,
0.3519

■ 4.0382, 0.1709,
0.1005

■ 44.7215, 0.3392,
0.3692

■ 3.0689, 0.1595,
0.0801

■ 52.5655, 0.3492,
0.3842

■ 2.4835, 0.1523,
0.0668

■ 61.1950, 0.3579,
0.3971

■ 2.4260, 0.1515,
0.0655

■ 70.6310, 0.3655,
0.4082

■ 80.8937, 0.3721,
0.4178

Harmonies

Analogous

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



16.4797, 0.2365, 0.2595



16.4797, 0.2648, 0.2545



16.4797, 0.3076, 0.2666

Triad

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



16.4797, 0.2648, 0.2545



16.4797, 0.4062, 0.3645



16.4797, 0.2688, 0.3693

Complementary

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



16.4797, 0.2648, 0.2545



28.4224, 0.3558, 0.3940

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.



16.4797, 0.3122, 0.4042



16.4797, 0.2648, 0.2545



16.4797, 0.3928, 0.3966

Square

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



16.4797, 0.2648, 0.2545



16.4797, 0.3924, 0.3271



16.4797, 0.3578, 0.4132



16.4797, 0.2385, 0.3229

Rectangle

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



16.4797, 0.2648, 0.2545



16.4797, 0.3396, 0.2825



16.4797, 0.3578, 0.4132



16.4797, 0.2823, 0.3832

Sweetspot

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



16.4804, 0.2648, 0.2545



44.8238, 0.2989, 0.3078



27.0257, 0.2753, 0.3352



9.6635, 0.2968, 0.3045



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.4804, 0.2648, 0.2545



25.0923, 0.2531, 0.2359



17.0794, 0.2850, 0.2533



5.6933, 0.2989, 0.3077



2.0322, 0.1517, 0.0660



0.0376, 0.1596, 0.0945

Inverse Universe

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



18.1315, 0.3691, 0.3241



28.5355, 0.3860, 0.3230



27.7848, 0.3349, 0.4030



5.8215, 0.3272, 0.3275



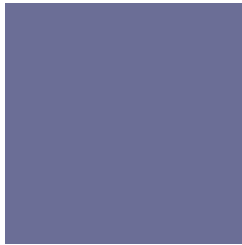
5.3985, 0.6299, 0.3244



0.0674, 0.5842, 0.2992

Previews

White Background



This preview shows how the Yxy color 16.4797, 0.2648, 0.2545 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 16.4797, 0.2648, 0.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

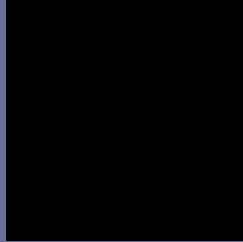
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4797, 0.2648, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 16.4797, 0.2648, 0.2545.



This preview shows how white text looks on a background with the Yxy color 16.4797, 0.2648, 0.2545.

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

16.4797, 0.2648, 0.2545

Protanopia

16.4280, 0.2587, 0.2537

Deuteranopia

16.4545, 0.2607, 0.2556



Tritanopia

16.5415, 0.2864, 0.3107

Trichromacy



Original Color

16.4797, 0.2648, 0.2545

Protanomaly

16.5463, 0.2608, 0.2542

Deuteranomaly

16.5139, 0.2617, 0.2558

Tritanomaly

16.4468, 0.2789, 0.2894

Monochromacy



Original Color

16.4797, 0.2648, 0.2545

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.7221, 0.2937, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4797, 0.2648, 0.2545 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(107, 110, 150)` looks like.

```
.text, #text, p{  
    color:rgb(107, 110, 150)  
}
```

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(107, 110, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 110, 150) }
```

Border

The CSS property to change the border of an element to Yxy 16.4797, 0.2648, 0.2545 is called "border". The border property can be set on classes, ids or directly on the HTML element.

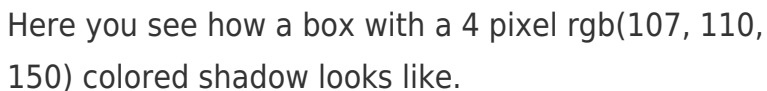
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 110, 150) }
```

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

```
.border{ border-color:rgb(107, 110, 150) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 110, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 110, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 110, 150);  
box-shadow:4px 4px 4px 4px rgb(107, 110,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4797, 0.2648, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 110, 150) }
```

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

```
.background{ background-color: rgb(107,  
110, 150) }
```

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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