

Converting Colors

$Y_{xy}(18.4187, 0.2804, 0.2758)$

Have a look what the booklet for
Yxy(18.4187, 0.2804, 0.2758)
contains.

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Color

Yxy(18.5109, 0.2797, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	747592
RGB	116, 117, 146
RGB Percent	45%, 46%, 57%
CMY	0.5451, 0.5412, 0.4274
CMYK	0.21, 0.20, 0.00, 0.43
HSL	238°, 12%, 51%
HSV	238°, 21%, 57%
XYZ	18.7523, 18.5109, 29.7810
YIQ	120.0070, -9.9050, 8.8070

Conversions

Conversions Part 2

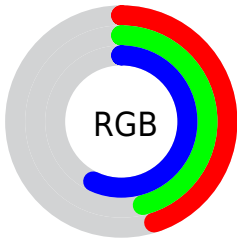
Format	Color
R _Y B	116, 117, 146
Decimal	7632274
CIE Lab	50.11, 6.12, -15.84
CIE LCh	50, 16.983, 291.124
Yxy	18.5109, 0.2797, 0.2761
Android (android.graphics.Color)	4285822354 (0xFF747592)
YUV	120.0070, 12.8145, -3.5141
Hunter-Lab	43.0243, 2.5072, -10.9230

Details

The Yxy color **18.5109, 0.2797, 0.2761** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.6246, 0.3429, 0.3769**, and the grayscale version is **18.7458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8709, 0.2870, 0.2878**, and **6.2758, 0.2659, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **14.5438, 0.2609, 0.2458**, and if you desaturate by 10%, it is **23.1326, 0.2968, 0.3035**.

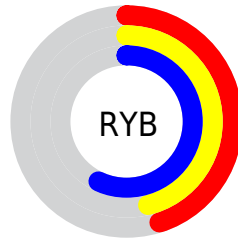
Distribution



Red (45%)

Green (46%)

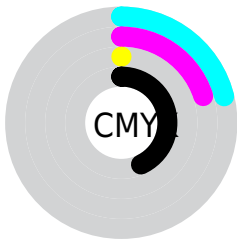
Blue (57%)



Red (45%)

Yellow (46%)

Blue (57%)

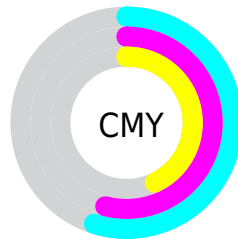


Cyan (21%)

Magenta (20%)

Yellow (0%)

Black (43%)



Cyan (55%)

Magenta (54%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5109, 0.2797, 0.2761 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 18.5109, 0.2797, 0.2761 by changing the saturation by 10% instead.

■ 18.5109, 0.2797,
0.2761

■ 18.5109, 0.2797,
0.2761

■ 243.7352, 0.2987,
0.3059

■ 11.3174, 0.2739,
0.2673

■ 40.9060, 0.2873,
0.2878

■ 6.2807, 0.2656,
0.2552

■ 56.8764, 0.2900,
0.2920

■ 3.0165, 0.2531,
0.2372

■ 76.5412, 0.2921,
0.2953

■ 1.1404, 0.2319,
0.2081

■ 100.2848, 0.2939,
0.2981

■ 0.0122, 0.1236,
0.0093

■ 128.4916, 0.2954,
0.3005

■ 0.0000, 0.0000,
0.0000

161.5460, 0.2967,

0.3026

199.8324, 0.2978,
0.3043

■ 18.5109, 0.2797,
0.2761

■ 18.5109, 0.2797,
0.2761

■ 14.5438, 0.2609,
0.2458

■ 23.1326, 0.2968,
0.3035

■ 11.1997, 0.2408,
0.2131

■ 28.4342, 0.3119,
0.3278

■ 8.4475, 0.2202,
0.1794

■ 34.4426, 0.3253,
0.3490

■ 6.2527, 0.2001,
0.1462

■ 41.1822, 0.3369,
0.3674

■ 4.5774, 0.1819,
0.1160

■ 48.6766, 0.3469,
0.3832

■ 3.3786, 0.1672,
0.0911

■ 56.9482, 0.3557,
0.3969

■ 2.6068, 0.1569,
0.0732

■ 66.0184, 0.3632,
0.4087

■ 2.1814, 0.1508,
0.0627

■ 75.9079, 0.3697,
0.4189

■ 86.6366, 0.3754,
0.4276

Harmonies

Analogous

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



18.5109, 0.2591, 0.2802



18.5109, 0.2797, 0.2761



18.5109, 0.3100, 0.2847

Triad

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



18.5109, 0.2797, 0.2761



18.5109, 0.3772, 0.3554



18.5109, 0.2822, 0.3562

Complementary

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



18.5109, 0.2797, 0.2761



27.6246, 0.3429, 0.3769

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.



18.5109, 0.3128, 0.3795



18.5109, 0.2797, 0.2761



18.5109, 0.3683, 0.3770

Square

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



18.5109, 0.2797, 0.2761



18.5109, 0.3677, 0.3289



18.5109, 0.3444, 0.3868



18.5109, 0.2604, 0.3253

Rectangle

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



18.5109, 0.2797, 0.2761



18.5109, 0.3321, 0.2963



18.5109, 0.3444, 0.3868



18.5109, 0.2917, 0.3653

Sweetspot

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



18.5117, 0.2797, 0.2761



44.7965, 0.3037, 0.3146



26.3019, 0.2843, 0.3315



9.8506, 0.3029, 0.3133



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



18.5117, 0.2797, 0.2761



29.0451, 0.2706, 0.2614



19.2730, 0.2952, 0.2766



5.6622, 0.2989, 0.3069



1.9261, 0.1508, 0.0629



0.0297, 0.1548, 0.0773

Inverse Universe

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



19.8868, 0.3508, 0.3274



31.9717, 0.3629, 0.3270



26.7669, 0.3277, 0.3809



5.8183, 0.3277, 0.3283



5.3878, 0.6351, 0.3272



0.0666, 0.6113, 0.3141

Previews

White Background



This preview shows how the Yxy color 18.5109, 0.2797, 0.2761 looks on a white 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

Black Background



This preview shows how the Yxy color 18.5109, 0.2797, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

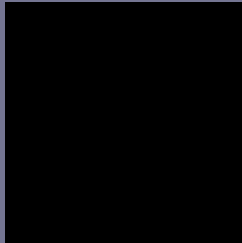
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

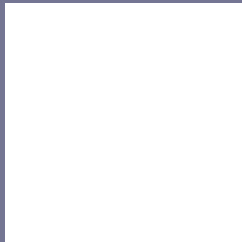
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5109, 0.2797, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 18.5109, 0.2797, 0.2761.



This preview shows how white text looks on a background with the Yxy color 18.5109, 0.2797, 0.2761.

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

18.5109, 0.2797, 0.2761

Protanopia

18.5082, 0.2745, 0.2757

Deuteranopia

18.5798, 0.2808, 0.2763



Tritanopia

18.5286, 0.2942, 0.3117

Trichromacy



Original Color

18.5109, 0.2797, 0.2761

Protanomaly

18.5742, 0.2755, 0.2758

Deuteranomaly

18.5798, 0.2808, 0.2763

Tritanomaly

18.5203, 0.2889, 0.2988

Monochromacy



Original Color

18.5109, 0.2797, 0.2761

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7006, 0.3013, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5109, 0.2797, 0.2761 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(116, 117, 146)` looks like.

```
.text, #text, p{  
    color:rgb(116, 117, 146)  
}
```

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(116, 117, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 117, 146) }
```

Border

The CSS property to change the border of an element to Yxy 18.5109, 0.2797, 0.2761 is called "border". The border property can be set on classes, ids or directly on the HTML element.

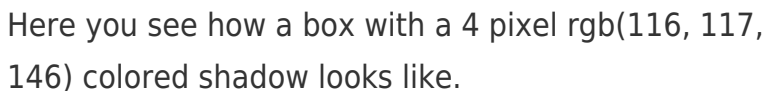
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 117, 146) }
```

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

```
.border{ border-color:rgb(116, 117, 146) }
```

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



Here you see how a box with a 4 pixel rgb(116, 117, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 117, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 117, 146);  
box-shadow:4px 4px 4px 4px rgb(116, 117,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5109, 0.2797, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 117, 146) }
```

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

```
.background{ background-color: rgb(116,  
117, 146) }
```

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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