

Converting Colors

$Y_{xy}(18.7789, 0.2979, 0.3160)$

Have a look what the booklet for
Yxy(18.7789, 0.2979, 0.3160)
contains.

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Color

Yxy(18.8781, 0.2977, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	737980
RGB	115, 121, 128
RGB Percent	45%, 47%, 50%
CMY	0.5489, 0.5255, 0.4980
CMYK	0.10, 0.05, 0.00, 0.50
HSL	212°, 5%, 48%
HSV	212°, 10%, 50%
XYZ	17.8074, 18.8781, 23.1311
YIQ	120.0040, -5.8230, 0.9050

Conversions

Conversions Part 2

Format	Color
R_{YB}	115, 119, 128
Decimal	7567744
CIE _{Lab}	50.54, -0.72, -4.61
CIE _{LCh}	51, 4.662, 261.056
Yxy	18.8781, 0.2977, 0.3156
Android (android.graphics.Color)	4285757824 (0xFF737980)
YUV	120.0040, 3.9420, -4.3885
Hunter-Lab	43.4489, -2.8781, -1.1502

Details

The Yxy color **18.8781, 0.2977, 0.3156** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7598, 0.3283, 0.3420**, and the grayscale version is **18.7742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4388, 0.3010, 0.3180**, and **6.5229, 0.2914, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **16.4479, 0.2822, 0.3009**, and if you desaturate by 10%, it is **21.5511, 0.3125, 0.3288**.

Distribution



Red (45%)

Green (47%)

Blue (50%)



Red (45%)

Yellow (47%)

Blue (50%)



Cyan (10%)

Magenta (5%)

Yellow (0%)

Black (50%)



Cyan (55%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8781, 0.2977, 0.3156 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 18.8781, 0.2977, 0.3156 by changing the saturation by 10% instead.

■ 18.8781, 0.2977,
0.3156

■ 18.8781, 0.2977,
0.3156

■ 245.7750, 0.3063,
0.3233

■ 11.5822, 0.2951,
0.3132

■ 41.5280, 0.3012,
0.3187

■ 6.4599, 0.2913,
0.3098

■ 57.6509, 0.3023,
0.3198

■ 3.1267, 0.2855,
0.3046

■ 77.4848, 0.3033,
0.3206

■ 1.1982, 0.2755,
0.2955

■ 101.4142, 0.3041,
0.3214

■ 0.0603, 0.0812,
0.1236

■ 129.8236, 0.3048,
0.3220

■ 0.0000, 0.0000,
0.0000

163.0972, 0.3054,

0.3225

201.6196, 0.3059,
0.3229

■ 18.8781, 0.2977,
0.3156

■ 18.8781, 0.2977,
0.3156

■ 16.4479, 0.2822,
0.3009

■ 21.5511, 0.3125,
0.3288

■ 14.2508, 0.2663,
0.2847

■ 24.4717, 0.3265,
0.3406

■ 12.2796, 0.2503,
0.2671

■ 27.6473, 0.3397,
0.3511

■ 10.5259, 0.2345,
0.2482

■ 31.0846, 0.3520,
0.3603

■ 8.9808, 0.2194,
0.2285

■ 34.7898, 0.3634,
0.3684

■ 7.6345, 0.2055,
0.2082

■ 38.7688, 0.3739,
0.3755

■ 6.4763, 0.1933,
0.1879

■ 43.0276, 0.3836,
0.3817

■ 5.4940, 0.1833,
0.1683

■ 47.5716, 0.3926,
0.3871

■ 4.6661, 0.1749,
0.1498

■ 52.4065, 0.4008,
0.3919

Harmonies

Analogous

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



18.8781, 0.2957, 0.3208



18.8781, 0.2977, 0.3156



18.8781, 0.3037, 0.3140

Triad

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



18.8781, 0.2977, 0.3156



18.8781, 0.3275, 0.3294



18.8781, 0.3131, 0.3422

Complementary

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



18.8781, 0.2977, 0.3156



19.7598, 0.3283, 0.3420

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.



18.8781, 0.3217, 0.3444



18.8781, 0.2977, 0.3156



18.8781, 0.3301, 0.3368

Square

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



18.8781, 0.2977, 0.3156



18.8781, 0.3209, 0.3219



18.8781, 0.3279, 0.3424



18.8781, 0.3045, 0.3363

Rectangle

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



18.8781, 0.2977, 0.3156



18.8781, 0.3092, 0.3151



18.8781, 0.3279, 0.3424



18.8781, 0.3160, 0.3434

Sweetspot

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



18.8789, 0.2977, 0.3156



36.5142, 0.3083, 0.3251



20.4923, 0.3041, 0.3405



8.4667, 0.3072, 0.3242



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.8789, 0.2977, 0.3156



32.2835, 0.2944, 0.3126



17.5038, 0.2981, 0.3041



4.5118, 0.2993, 0.3171



4.6286, 0.1750, 0.1498



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.2390, 0.3223, 0.3180



30.9610, 0.3246, 0.3156



21.2365, 0.3266, 0.3529



4.3746, 0.3212, 0.3191



4.8618, 0.5061, 0.2562



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8781, 0.2977, 0.3156 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 18.8781, 0.2977, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

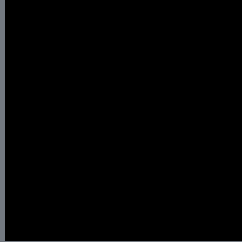
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

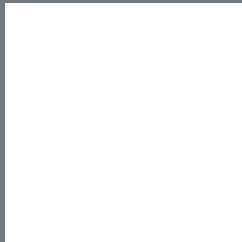
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.8781, 0.2977, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 18.8781, 0.2977, 0.3156.



This preview shows how white text looks on a background with the Yxy color 18.8781, 0.2977, 0.3156.

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

18.8781, 0.2977, 0.3156

Protanopia

18.7190, 0.3048, 0.3139

Deuteranopia

18.8968, 0.3125, 0.3071



Tritanopia

18.9313, 0.2955, 0.3119

Trichromacy



Original Color

18.8781, 0.2977, 0.3156

Protanomaly

18.8168, 0.3023, 0.3157

Deuteranomaly

18.7528, 0.3062, 0.3086

Tritanomaly

18.9046, 0.2966, 0.3138

Monochromacy



Original Color

18.8781, 0.2977, 0.3156

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7146, 0.3068, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8781, 0.2977, 0.3156 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(115, 121, 128)` looks like.

```
.text, #text, p{  
    color:rgb(115, 121, 128)  
}
```

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(115, 121, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 121, 128) }
```

Border

The CSS property to change the border of an element to Yxy 18.8781, 0.2977, 0.3156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

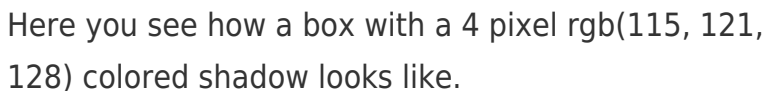
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 121, 128) }
```

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

```
.border{ border-color:rgb(115, 121, 128) }
```

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



Here you see how a box with a 4 pixel rgb(115, 121, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 121, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 121, 128); box-shadow:4px 4px 4px 4px rgb(115, 121, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8781, 0.2977, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 121, 128) }
```

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

```
.background{ background-color: rgb(115,  
121, 128) }
```

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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