

Converting Colors

$Y_{xy}(18.0813, 0.3056, 0.3190)$

Have a look what the booklet for
Yxy(18.0813, 0.3056, 0.3190)
contains.

Yxy(18.1688, 0.3057, 0.3194)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.1688, 0.3057, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	75767B
RGB	117, 118, 123
RGB Percent	46%, 46%, 48%
CMY	0.5412, 0.5372, 0.5177
CMYK	0.05, 0.04, 0.00, 0.52
HSL	230°, 2%, 47%
HSV	230°, 5%, 48%
XYZ	17.3895, 18.1688, 21.3259
YIQ	118.2710, -2.2010, 1.3430

Conversions

Conversions Part 2

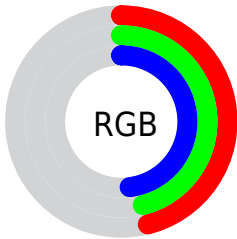
Format	Color
R_{YB}	117, 118, 123
Decimal	7698043
CIE Lab	49.70, 0.66, -2.87
CIE LCh	50, 2.946, 282.898
Yxy	18.1688, 0.3057, 0.3194
Android (android.graphics.Color)	4285888123 (0xFF75767B)
YUV	118.2710, 2.3314, -1.1147
Hunter-Lab	42.6249, -1.7717, 0.1737

Details

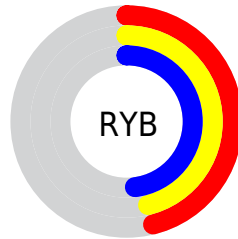
The Yxy color **18.1688, 0.3057, 0.3194** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.4117, 0.3197, 0.3384**, and the grayscale version is **18.1995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2796, 0.3077, 0.3221**, and **6.1399, 0.3035, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **15.0889, 0.2902, 0.2978**, and if you desaturate by 10%, it is **21.6244, 0.3197, 0.3385**.

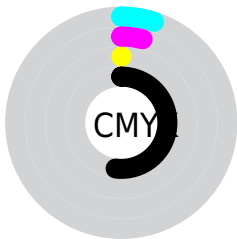
Distribution



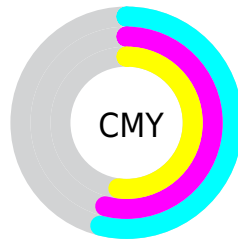
- Red (46%)
- Green (46%)
- Blue (48%)



- Red (46%)
- Yellow (46%)
- Blue (48%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (52%)



- Cyan (54%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1688, 0.3057, 0.3194 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 18.1688, 0.3057, 0.3194 by changing the saturation by 10% instead.

■ 18.1688, 0.3057,
0.3194

■ 18.1688, 0.3057,
0.3194

241.8208, 0.3098,
0.3249

■ 11.0712, 0.3044,
0.3177

■ 40.3247, 0.3073,
0.3216

■ 6.1148, 0.3026,
0.3152

■ 56.1519, 0.3079,
0.3224

■ 2.9150, 0.2998,
0.3114

■ 75.6578, 0.3084,
0.3230

■ 1.0875, 0.2948,
0.3047

99.2267, 0.3087,
0.3235

■ 0.0000, 0.0000,
0.0000

127.2430, 0.3091,
0.3240

160.0912, 0.3093,

0.3243

198.1557, 0.3096,
0.3247

■ 18.1688, 0.3057,
0.3194

■ 18.1688, 0.3057,
0.3194

■ 15.0889, 0.2902,
0.2978

■ 21.6244, 0.3197,
0.3385

■ 12.3698, 0.2733,
0.2737

■ 25.4654, 0.3323,
0.3553

■ 9.9988, 0.2552,
0.2472

■ 29.7042, 0.3435,
0.3699

■ 7.9616, 0.2364,
0.2188

■ 34.3518, 0.3535,
0.3826

■ 6.2432, 0.2175,
0.1893

■ 39.4188, 0.3623,
0.3937

■ 4.8270, 0.1993,
0.1599

■ 44.9153, 0.3702,
0.4033

■ 3.6951, 0.1830,
0.1320

■ 50.8513, 0.3771,
0.4116

■ 2.8277, 0.1696,
0.1073

■ 57.2363, 0.3833,
0.4189

■ 2.1996, 0.1597,
0.0874

■ 64.0795, 0.3888,
0.4253

Harmonies

Analogous

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



18.1688, 0.3024, 0.3211



18.1688, 0.3057, 0.3194



18.1688, 0.3109, 0.3202

Triad

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



18.1688, 0.3057, 0.3194



18.1688, 0.3236, 0.3328



18.1688, 0.3089, 0.3348

Complementary

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



18.1688, 0.3057, 0.3194



19.4117, 0.3197, 0.3384

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.



18.1688, 0.3145, 0.3380



18.1688, 0.3057, 0.3194



18.1688, 0.3231, 0.3368

Square

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



18.1688, 0.3057, 0.3194



18.1688, 0.3212, 0.3279



18.1688, 0.3197, 0.3388



18.1688, 0.3043, 0.3301

Rectangle

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



18.1688, 0.3057, 0.3194



18.1688, 0.3147, 0.3220



18.1688, 0.3197, 0.3388



18.1688, 0.3107, 0.3361

Sweetspot

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



18.1696, 0.3057, 0.3194



34.8398, 0.3113, 0.3270



19.3482, 0.3067, 0.3311



8.2159, 0.3114, 0.3272



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.1696, 0.3057, 0.3194



31.7992, 0.3038, 0.3168



18.0682, 0.3081, 0.3176



4.1955, 0.3035, 0.3164



2.0101, 0.1552, 0.0787



8.7211, 0.1535, 0.0724

Inverse Universe

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



18.2419, 0.3192, 0.3271



31.9649, 0.3210, 0.3266



19.5198, 0.3172, 0.3404



4.2182, 0.3213, 0.3265



4.4098, 0.6090, 0.3129



20.9476, 0.6192, 0.3185

Previews

White Background



This preview shows how the Yxy color 18.1688, 0.3057, 0.3194 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 18.1688, 0.3057, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

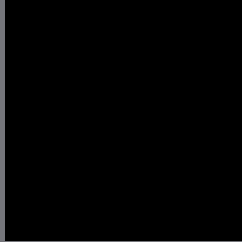
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

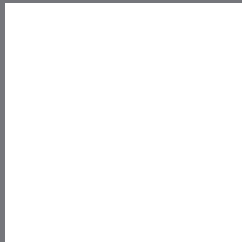
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.1688, 0.3057, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 18.1688, 0.3057, 0.3194.



This preview shows how white text looks on a background with the Yxy color 18.1688, 0.3057, 0.3194.

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

18.1688, 0.3057, 0.3194

Protanopia

18.0746, 0.3082, 0.3175

Deuteranopia

18.2287, 0.3174, 0.3123



Tritanopia

18.1064, 0.3024, 0.3100

Trichromacy



Original Color

18.1688, 0.3057, 0.3194

Protanomaly

18.0042, 0.3070, 0.3175

Deuteranomaly

18.1570, 0.3121, 0.3140

Tritanomaly

18.0805, 0.3035, 0.3118

Monochromacy



Original Color

18.1688, 0.3057, 0.3194

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1645, 0.3104, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1688, 0.3057, 0.3194 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(117, 118, 123)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 123)  
}
```

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(117, 118, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.1688, 0.3057, 0.3194 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(117, 118, 123) }
```

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

```
.border{ border-color:rgb(117, 118, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 123);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1688, 0.3057, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 123) }
```

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

```
.background{ background-color: rgb(117,  
118, 123) }
```

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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