

Converting Colors

$Y_{xy}(17.8208, 0.3119, 0.3221)$

Have a look what the booklet for
Yxy(17.8208, 0.3119, 0.3221)
contains.

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Color

Yxy(17.7688, 0.3118, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	777478
RGB	119, 116, 120
RGB Percent	47%, 45%, 47%
CMY	0.5333, 0.5451, 0.5294
CMYK	0.01, 0.03, 0.00, 0.53
HSL	285°, 2%, 46%
HSV	285°, 3%, 47%
XYZ	17.2434, 17.7688, 20.2906
YIQ	117.3530, 0.5040, 1.8800

Conversions

Conversions Part 2

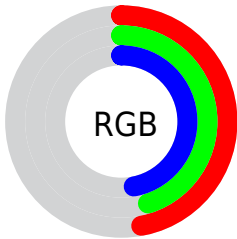
Format	Color
R _Y B	119, 116, 120
Decimal	7828600
CIE Lab	49.21, 1.95, -1.80
CIE LCh	49, 2.656, 317.375
Yxy	17.7688, 0.3118, 0.3213
Android (android.graphics.Color)	4286018680 (0xFF777478)
YUV	117.3530, 1.3050, 1.4444
Hunter-Lab	42.1531, -0.7494, 0.9676

Details

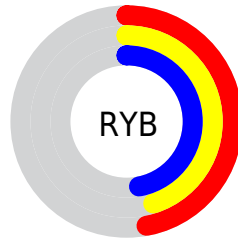
The Yxy color **17.7688, 0.3118, 0.3213** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4766, 0.3136, 0.3368**, and the grayscale version is **17.9006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6417, 0.3121, 0.3235**, and **5.9417, 0.3113, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **14.9701, 0.3087, 0.2973**, and if you desaturate by 10%, it is **20.9331, 0.3144, 0.3439**.

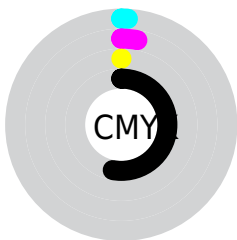
Distribution



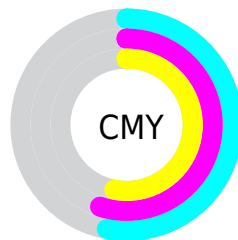
- Red (47%)
- Green (45%)
- Blue (47%)



- Red (47%)
- Yellow (45%)
- Blue (47%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7688, 0.3118, 0.3213 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 17.7688, 0.3118, 0.3213 by changing the saturation by 10% instead.

■ 17.7688, 0.3118,
0.3213

■ 17.7688, 0.3118,
0.3213

■ 239.5646, 0.3123,
0.3258

■ 10.7841, 0.3116,
0.3199

■ 39.6430, 0.3120,
0.3231

■ 5.9219, 0.3114,
0.3179

■ 55.3013, 0.3121,
0.3237

■ 2.7976, 0.3110,
0.3148

■ 74.6195, 0.3122,
0.3242

■ 1.0270, 0.3102,
0.3094

■ 97.9822, 0.3122,
0.3246

■ 0.0000, 0.0000,
0.0000

■ 125.7737, 0.3123,
0.3250

■ 158.3783, 0.3123,

0.3253

196.1805, 0.3123,
0.3255

■ 17.7688, 0.3118,
0.3213

■ 17.7688, 0.3118,
0.3213

■ 14.9701, 0.3087,
0.2973

■ 20.9331, 0.3144,
0.3439

■ 12.5212, 0.3050,
0.2722

■ 24.4737, 0.3165,
0.3649

■ 10.4083, 0.3006,
0.2466

■ 28.4037, 0.3181,
0.3841

■ 8.6157, 0.2957,
0.2211

■ 32.7347, 0.3194,
0.4018

■ 7.1269, 0.2901,
0.1967

■ 37.4779, 0.3205,
0.4177

■ 5.9233, 0.2841,
0.1743

■ 42.6443, 0.3212,
0.4322

■ 4.9848, 0.2778,
0.1549

■ 48.2440, 0.3218,
0.4452

■ 4.2882, 0.2713,
0.1392

■ 54.2872, 0.3222,
0.4570

■ 3.8038, 0.2649,
0.1277

■ 60.7835, 0.3224,
0.4676

Harmonies

Analogous

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



17.7688, 0.3070, 0.3202



17.7688, 0.3118, 0.3213



17.7688, 0.3169, 0.3244

Triad

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



17.7688, 0.3118, 0.3213



17.7688, 0.3218, 0.3365



17.7688, 0.3046, 0.3293

Complementary

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



17.7688, 0.3118, 0.3213



18.4766, 0.3136, 0.3368

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.



17.7688, 0.3085, 0.3337



17.7688, 0.3118, 0.3213



17.7688, 0.3185, 0.3379

Square

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



17.7688, 0.3118, 0.3213



17.7688, 0.3227, 0.3331



17.7688, 0.3136, 0.3369



17.7688, 0.3028, 0.3248

Rectangle

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



17.7688, 0.3118, 0.3213



17.7688, 0.3198, 0.3272



17.7688, 0.3136, 0.3369



17.7688, 0.3057, 0.3308

Sweetspot

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



17.7696, 0.3118, 0.3213



32.4789, 0.3124, 0.3267



17.8080, 0.3079, 0.3233



7.7069, 0.3125, 0.3268



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.7696, 0.3118, 0.3213



30.8532, 0.3116, 0.3195



17.8182, 0.3142, 0.3231



4.3536, 0.3115, 0.3185



3.8423, 0.2603, 0.1208



17.9110, 0.2571, 0.1190

Inverse Universe

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



17.7691, 0.3167, 0.3271



30.8526, 0.3176, 0.3266



18.4295, 0.3113, 0.3350



4.3535, 0.3182, 0.3264



4.4566, 0.5850, 0.2996



21.1404, 0.5974, 0.3064

Previews

White Background



This preview shows how the Yxy color 17.7688, 0.3118, 0.3213 looks on a white background.

Color Contrast Check

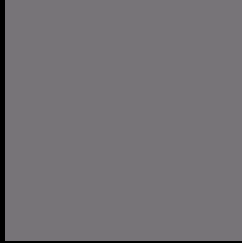
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7688, 0.3118, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

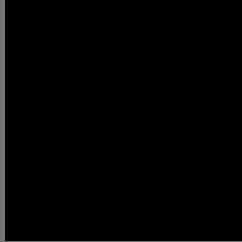
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

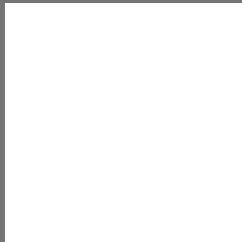
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.7688, 0.3118, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 17.7688, 0.3118, 0.3213.



This preview shows how white text looks on a background with the Yxy color 17.7688, 0.3118, 0.3213.

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

17.7688, 0.3118, 0.3213

Protanopia

17.6984, 0.3105, 0.3213

Deuteranopia

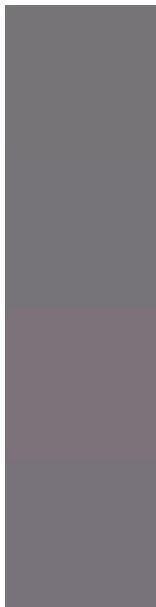
17.7028, 0.3213, 0.3141



Tritanopia

17.7098, 0.3084, 0.3119

Trichromacy



Original Color

17.7688, 0.3118, 0.3213

Protanomaly

17.6984, 0.3105, 0.3213

Deuteranomaly

17.7002, 0.3172, 0.3158

Tritanomaly

17.6846, 0.3096, 0.3137

Monochromacy



Original Color

17.7688, 0.3118, 0.3213

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8821, 0.3128, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7688, 0.3118, 0.3213 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(119, 116, 120)` looks like.

```
.text, #text, p{  
    color:rgb(119, 116, 120)  
}
```

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(119, 116, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 116, 120) }
```

Border

The CSS property to change the border of an element to Yxy 17.7688, 0.3118, 0.3213 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(119, 116, 120) }
```

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

```
.border{ border-color:rgb(119, 116, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 116, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 116, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 116, 120);  
box-shadow:4px 4px 4px 4px rgb(119, 116,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7688, 0.3118, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 116, 120) }
```

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

```
.background{ background-color: rgb(119,  
116, 120) }
```

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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