

Converting Colors

$Y_{xy}(16.9467, 0.3212, 0.3309)$

Have a look what the booklet for
Yxy(16.9467, 0.3212, 0.3309)
contains.

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Color

Yxy(16.9020, 0.3219, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	777170
RGB	119, 113, 112
RGB Percent	47%, 44%, 44%
CMY	0.5333, 0.5569, 0.5608
CMYK	0.00, 0.05, 0.06, 0.53
HSL	9°, 3%, 45%
HSV	9°, 6%, 47%
XYZ	16.4373, 16.9020, 17.7241
YIQ	114.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

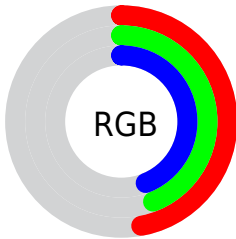
Format	Color
RYB	119, 113, 112
Decimal	7827824
CIELab	48.14, 2.12, 1.38
CIELCh	48, 2.529, 33.013
Yxy	16.9020, 0.3219, 0.3310
Android (android.graphics.Color)	4286017904 (0xFF777170)
YUV	114.6800, -1.3212, 3.7886
Hunter-Lab	41.1120, -0.5786, 3.2175

Details

The Yxy color **16.9020, 0.3219, 0.3310** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.7320, 0.3041, 0.3270**, and the grayscale version is **17.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2485, 0.3192, 0.3304**, and **5.4904, 0.3276, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **14.5073, 0.3401, 0.3346**, and if you desaturate by 10%, it is **19.5886, 0.3069, 0.3277**.

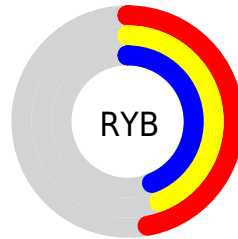
Distribution



Red (47%)

Green (44%)

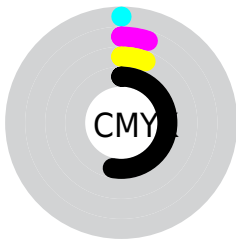
Blue (44%)



Red (47%)

Yellow (44%)

Blue (44%)

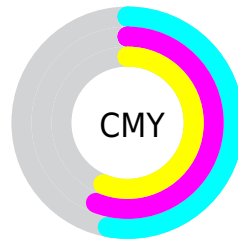


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (53%)



Cyan (53%)


Magenta (56%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9020, 0.3219, 0.3310 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 16.9020, 0.3219, 0.3310 by changing the saturation by 10% instead.


 16.9020, 0.3219,
0.3310


 16.9020, 0.3219,
0.3310


234.6070, 0.3165,
0.3299


 10.1646, 0.3236,
0.3314

 38.1572, 0.3197,
0.3305


 5.5083, 0.3261,
0.3319

 53.4438, 0.3190,
0.3304

 2.5484, 0.3300,
0.3326

 72.3490, 0.3184,
0.3303

 0.9008, 0.3375,
0.3343

 95.2572, 0.3179,
0.3301

 0.0000, 0.0000,
0.0000

122.5526, 0.3175,
0.3301

154.6198, 0.3171,

0.3300

191.8432, 0.3168,
0.3299

■ 16.9020, 0.3219,
0.3310

■ 16.9020, 0.3219,
0.3310

■ 14.5073, 0.3401,
0.3346

■ 19.5886, 0.3069,
0.3277

■ 12.3925, 0.3621,
0.3384

■ 22.5741, 0.2944,
0.3246

■ 10.5479, 0.3885,
0.3423

■ 25.8682, 0.2841,
0.3218

■ 8.9628, 0.4199,
0.3460

■ 29.4794, 0.2755,
0.3193

■ 7.6253, 0.4562,
0.3491

■ 33.4159, 0.2682,
0.3170

■ 6.5229, 0.4964,
0.3511

■ 37.6855, 0.2620,
0.3149

■ 5.6419, 0.5381,
0.3513

■ 42.2959, 0.2568,
0.3130

■ 4.9671, 0.5772,
0.3492

■ 47.2545, 0.2523,
0.3113

■ 4.4798, 0.6094,
0.3452

■ 52.5683, 0.2484,
0.3097

Harmonies

Analogous

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



16.9020, 0.3190, 0.3266



16.9020, 0.3219, 0.3310



16.9020, 0.3223, 0.3349

Triad

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



16.9020, 0.3219, 0.3310



16.9020, 0.3109, 0.3353



16.9020, 0.3054, 0.3208

Complementary

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



16.9020, 0.3219, 0.3310



17.7320, 0.3041, 0.3270

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.



16.9020, 0.3032, 0.3231



16.9020, 0.3219, 0.3310



16.9020, 0.3064, 0.3314

Square

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



16.9020, 0.3219, 0.3310



16.9020, 0.3159, 0.3374



16.9020, 0.3036, 0.3269



16.9020, 0.3095, 0.3208

Rectangle

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



16.9020, 0.3219, 0.3310



16.9020, 0.3211, 0.3367



16.9020, 0.3036, 0.3269



16.9020, 0.3044, 0.3213

Sweetspot

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



16.9027, 0.3219, 0.3310



32.0497, 0.3158, 0.3297



16.8192, 0.3145, 0.3172



7.6126, 0.3156, 0.3296



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.



16.9027, 0.3219, 0.3310



29.6845, 0.3241, 0.3315



17.6826, 0.3214, 0.3377



3.8827, 0.3241, 0.3315



4.5862, 0.6222, 0.3441



21.5616, 0.6289, 0.3389

Inverse Universe

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



17.7320, 0.3041, 0.3270



31.4805, 0.3022, 0.3265



16.9389, 0.3042, 0.3202



4.1189, 0.3021, 0.3265



11.4803, 0.2124, 0.2845



54.9860, 0.2116, 0.2819

Previews

White Background



This preview shows how the Yxy color 16.9020, 0.3219, 0.3310 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 16.9020, 0.3219, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

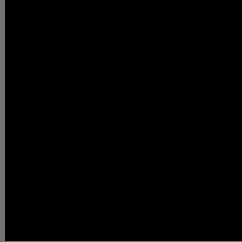
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

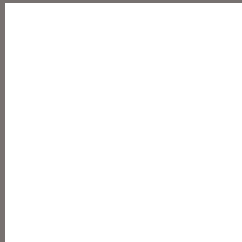
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9020, 0.3219, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 16.9020, 0.3219, 0.3310.



This preview shows how white text looks on a background with the Yxy color 16.9020, 0.3219, 0.3310.

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

16.9020, 0.3219, 0.3310

Protanopia

16.9864, 0.3191, 0.3330

Deuteranopia

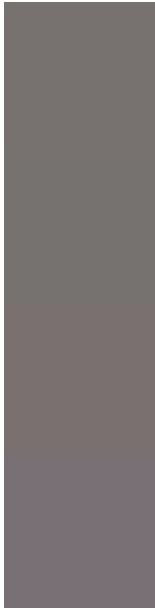
16.9744, 0.3318, 0.3271



Tritanopia

16.9375, 0.3134, 0.3136

Trichromacy



Original Color

16.9020, 0.3219, 0.3310

Protanomaly

17.0560, 0.3204, 0.3330

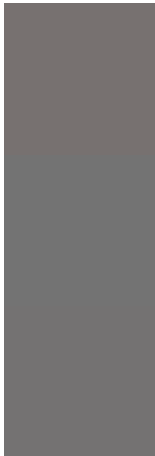
Deuteranomaly

16.9691, 0.3275, 0.3290

Tritanomaly

16.8658, 0.3171, 0.3193

Monochromacy



Original Color

16.9020, 0.3219, 0.3310

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.9625, 0.3153, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9020, 0.3219, 0.3310 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, 113, 112)` looks like.

```
.text, #text, p{  
    color:rgb(119, 113, 112)  
}
```

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, 113, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 113, 112) }
```

Border

The CSS property to change the border of an element to Yxy 16.9020, 0.3219, 0.3310 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, 113, 112) }
```

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

```
.border{ border-color:rgb(119, 113, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 113, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 113, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 113, 112);  
box-shadow:4px 4px 4px 4px rgb(119, 113,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9020, 0.3219, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 113, 112) }
```

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

```
.background{ background-color: rgb(119,  
113, 112) }
```

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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