

Converting Colors

$Y_{xy}(20.1309, 0.3026, 0.3427)$

Have a look what the booklet for
Yxy(20.1309, 0.3026, 0.3427)
contains.

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Color

Yxy(19.9796, 0.3028, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	707F78
RGB	112, 127, 120
RGB Percent	44%, 50%, 47%
CMY	0.5607, 0.5020, 0.5295
CMYK	0.12, 0.00, 0.06, 0.50
HSL	152°, 6%, 47%
HSV	152°, 12%, 50%
XYZ	17.6637, 19.9796, 20.6913
YIQ	121.7170, -6.6930, -5.3570

Conversions

Conversions Part 2

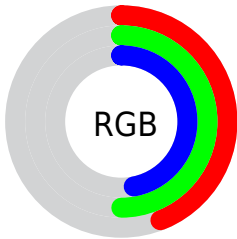
Format	Color
R_{YB}	112, 122, 127
Decimal	7372664
CIE _{Lab}	51.81, -6.97, 1.94
CIE _{LCh}	52, 7.234, 164.473
Yxy	19.9796, 0.3028, 0.3425
Android (android.graphics.Color)	4285562744 (0xFF707F78)
YUV	121.7170, -0.8465, -8.5218
Hunter-Lab	44.6985, -7.6838, 3.8432

Details

The Yxy color **19.9796, 0.3028, 0.3425** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.4392, 0.3239, 0.3159**, and the grayscale version is **19.3712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5136, 0.3054, 0.3401**, and **7.0066, 0.2977, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **19.0651, 0.2947, 0.3553**, and if you desaturate by 10%, it is **21.0222, 0.3112, 0.3309**.

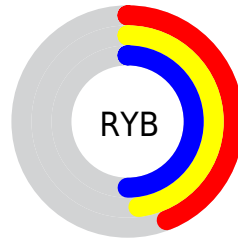
Distribution



Red (44%)

Green (50%)

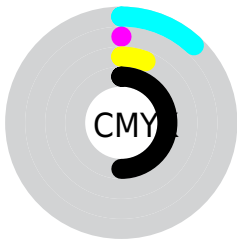
Blue (47%)



Red (44%)

Yellow (48%)

Blue (50%)

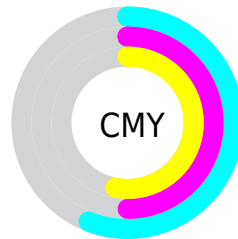


Cyan (12%)

Magenta (0%)

Yellow (6%)

Black (50%)



Cyan (56%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9796, 0.3028, 0.3425 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 19.9796, 0.3028, 0.3425 by changing the saturation by 10% instead.

■ 19.9796, 0.3028,
0.3425

■ 19.9796, 0.3028,
0.3425

251.8047, 0.3085,
0.3348

■ 12.3802, 0.3011,
0.3449

■ 43.3830, 0.3051,
0.3394

■ 7.0032, 0.2986,
0.3483

■ 59.9558, 0.3059,
0.3383

■ 3.4641, 0.2948,
0.3536

■ 80.2885, 0.3065,
0.3374

■ 1.3786, 0.2881,
0.3628

■ 104.7655, 0.3070,
0.3367

■ 0.2008, 0.0680,
0.6588

133.7712, 0.3075,
0.3361

■ 0.0000, 0.0000,
0.0000

167.6901, 0.3079,

0.3356

206.9064, 0.3082,
0.3351

■ 19.9796, 0.3028,
0.3425

■ 19.9796, 0.3028,
0.3425

■ 19.0651, 0.2947,
0.3553

■ 21.0222, 0.3112,
0.3309

■ 18.2713, 0.2870,
0.3694

■ 22.1953, 0.3197,
0.3206

■ 17.5934, 0.2802,
0.3847

■ 23.5041, 0.3281,
0.3114

■ 17.0258, 0.2743,
0.4009

■ 24.9529, 0.3363,
0.3033

■ 16.5621, 0.2698,
0.4181

■ 26.5459, 0.3443,
0.2961

■ 16.1951, 0.2669,
0.4356

■ 28.2870, 0.3520,
0.2898

■ 15.9172, 0.2659,
0.4534

■ 30.1799, 0.3594,
0.2843

■ 15.7188, 0.2666,
0.4707

■ 32.2284, 0.3664,
0.2795

■ 15.5899, 0.2680,
0.4848

■ 34.4358, 0.3730,
0.2754

Harmonies

Analogous

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



19.9796, 0.3161, 0.3505



19.9796, 0.3028, 0.3425



19.9796, 0.2923, 0.3307

Triad

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



19.9796, 0.3028, 0.3425



19.9796, 0.2966, 0.3063



19.9796, 0.3390, 0.3384

Complementary

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



19.9796, 0.3028, 0.3425



17.4392, 0.3239, 0.3159

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.



19.9796, 0.3335, 0.3268



19.9796, 0.3028, 0.3425



19.9796, 0.3089, 0.3086

Square

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



19.9796, 0.3028, 0.3425



19.9796, 0.2887, 0.3099



19.9796, 0.3224, 0.3161



19.9796, 0.3372, 0.3478

Rectangle

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



19.9796, 0.3028, 0.3425



19.9796, 0.2881, 0.3225



19.9796, 0.3224, 0.3161



19.9796, 0.3379, 0.3346

Sweetspot

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



19.9804, 0.3028, 0.3425



37.1965, 0.3092, 0.3335



20.2891, 0.3200, 0.3575



8.6789, 0.3087, 0.3342



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.



19.9804, 0.3028, 0.3425



35.3435, 0.3007, 0.3456



20.0925, 0.2955, 0.3285



4.8540, 0.3050, 0.3393



15.7233, 0.2680, 0.4848



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.4392, 0.3239, 0.3159



29.9020, 0.3266, 0.3129



17.3321, 0.3328, 0.3295



4.3752, 0.3211, 0.3189



4.8734, 0.5025, 0.2542



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.9796, 0.3028, 0.3425 looks on a white background.

Color Contrast Check

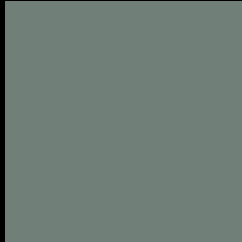
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9796, 0.3028, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

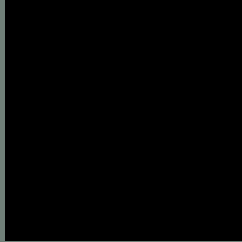
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9796, 0.3028, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 19.9796, 0.3028, 0.3425.

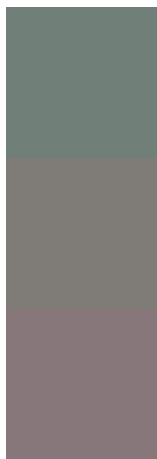


This preview shows how white text looks on a background with the Yxy color 19.9796, 0.3028, 0.3425.

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

19.9796, 0.3028, 0.3425

Protanopia

19.9859, 0.3234, 0.3383

Deuteranopia

19.8330, 0.3307, 0.3237



Tritanopia

20.0613, 0.2905, 0.3103

Trichromacy



Original Color

19.9796, 0.3028, 0.3425

Protanomaly

19.8848, 0.3159, 0.3384

Deuteranomaly

19.8116, 0.3200, 0.3309

Tritanomaly

20.1108, 0.2945, 0.3214

Monochromacy



Original Color

19.9796, 0.3028, 0.3425

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.6473, 0.3088, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9796, 0.3028, 0.3425 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(112, 127, 120)` looks like.

```
.text, #text, p{  
    color:rgb(112, 127, 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(112, 127, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 127, 120) }
```

Border

The CSS property to change the border of an element to Yxy 19.9796, 0.3028, 0.3425 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(112, 127, 120) }
```

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

```
.border{ border-color:rgb(112, 127, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 127, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 127, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 127, 120);  
box-shadow:4px 4px 4px 4px rgb(112, 127,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9796, 0.3028, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 127, 120) }
```

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

```
.background{ background-color: rgb(112,  
127, 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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