

Converting Colors

$Y_{xy}(20.0143, 0.2778, 0.2770)$

Have a look what the booklet for
Yxy(20.0143, 0.2778, 0.2770)
contains.

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Color

$Y_{xy}(20.0050, 0.2776, 0.2774)$

Conversions

Conversions Part 1

Format	Color
Hex	767A97
RGB	118, 122, 151
RGB Percent	46%, 48%, 59%
CMY	0.5372, 0.5216, 0.4078
CMYK	0.22, 0.19, 0.00, 0.41
HSL	233°, 14%, 53%
HSV	233°, 22%, 59%
XYZ	20.0194, 20.0050, 32.0917
YIQ	124.1100, -11.6930, 8.1710

Conversions

Conversions Part 2

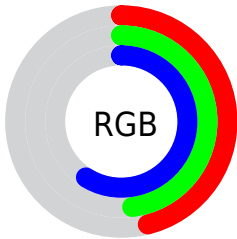
Format	Color
R_{YB}	118, 122, 151
Decimal	7764631
CIE Lab	51.84, 5.07, -16.13
CIE LCh	52, 16.905, 287.435
Yxy	20.0050, 0.2776, 0.2774
Android (android.graphics.Color)	4285954711 (0xFF767A97)
YUV	124.1100, 13.2568, -5.3585
Hunter-Lab	44.7269, 1.6230, -11.2318

Details

The Yxy color $20.0050, 0.2776, 0.2774$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $28.7693, 0.3459, 0.3758$, and the grayscale version is $20.1538, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3378, 0.2861, 0.2886$, and $6.9504, 0.2633, 0.2564$ is the 20% darker color. If you saturate the color by 10%, you get $15.9900, 0.2591, 0.2495$, and if you desaturate by 10%, it is $24.6367, 0.2946, 0.3027$.

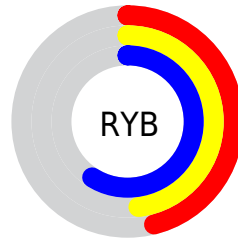
Distribution



Red (46%)

Green (48%)

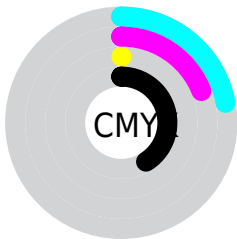
Blue (59%)



Red (46%)

Yellow (48%)

Blue (59%)

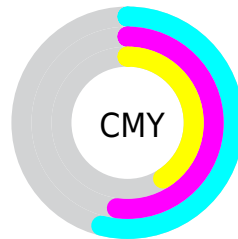


Cyan (22%)

Magenta (19%)

Yellow (0%)

Black (41%)



Cyan (54%)

Magenta (52%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0050, 0.2776, 0.2774 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 20.0050, 0.2776, 0.2774 by changing the saturation by 10% instead.

■ 20.0050, 0.2776,
0.2774

■ 20.0050, 0.2776,
0.2774

■ 251.9422, 0.2976,
0.3062

■ 12.3987, 0.2716,
0.2691

■ 43.4256, 0.2855,
0.2887

■ 7.0158, 0.2633,
0.2575

■ 60.0086, 0.2883,
0.2926

■ 3.4720, 0.2508,
0.2407

■ 80.3527, 0.2906,
0.2959

■ 1.3828, 0.2303,
0.2140

■ 104.8421, 0.2924,
0.2986

■ 0.2040, 0.1650,
0.1060

■ 133.8614, 0.2940,
0.3010

■ 0.0000, 0.0000,
0.0000

167.7950, 0.2954,

0.3030

207.0271, 0.2965,
0.3047

■ 20.0050, 0.2776,
0.2774

■ 20.0050, 0.2776,
0.2774

■ 15.9900, 0.2591,
0.2495

■ 24.6367, 0.2946,
0.3027

■ 12.5633, 0.2396,
0.2193

■ 29.9070, 0.3100,
0.3251

■ 9.6977, 0.2198,
0.1879

■ 35.8400, 0.3238,
0.3449

■ 7.3632, 0.2006,
0.1567

■ 42.4575, 0.3360,
0.3621

■ 5.5266, 0.1833,
0.1273

■ 49.7806, 0.3467,
0.3770

■ 4.1514, 0.1690,
0.1018

■ 57.8292, 0.3562,
0.3899

■ 3.1953, 0.1587,
0.0820

■ 66.6226, 0.3644,
0.4011

■ 2.6742, 0.1529,
0.0704

■ 76.1793, 0.3717,
0.4107

■ 86.5173, 0.3781,
0.4191

Harmonies

Analogous

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



20.0050, 0.2590, 0.2831



20.0050, 0.2776, 0.2774



20.0050, 0.3062, 0.2843

Triad

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



20.0050, 0.2776, 0.2774



20.0050, 0.3751, 0.3517



20.0050, 0.2864, 0.3587

Complementary

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



20.0050, 0.2776, 0.2774



28.7693, 0.3459, 0.3758

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.



20.0050, 0.3167, 0.3797



20.0050, 0.2776, 0.2774



20.0050, 0.3686, 0.3736

Square

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



20.0050, 0.2776, 0.2774



20.0050, 0.3637, 0.3257



20.0050, 0.3469, 0.3847



20.0050, 0.2639, 0.3291

Rectangle

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



20.0050, 0.2776, 0.2774



20.0050, 0.3276, 0.2949



20.0050, 0.3469, 0.3847



20.0050, 0.2960, 0.3671

Sweetspot

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



20.0058, 0.2776, 0.2774



48.4105, 0.3021, 0.3136



28.0864, 0.2849, 0.3364



10.8918, 0.3013, 0.3124



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.0058, 0.2776, 0.2774



32.3277, 0.2691, 0.2647



19.9512, 0.2906, 0.2723



6.1404, 0.2988, 0.3088



2.2988, 0.1531, 0.0711



0.0618, 0.1658, 0.1167

Inverse Universe

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



20.9472, 0.3503, 0.3225



34.3742, 0.3609, 0.3210



28.9293, 0.3316, 0.3841



6.2342, 0.3265, 0.3263



5.6374, 0.6215, 0.3197



0.0870, 0.5513, 0.2810

Previews

White Background



This preview shows how the Yxy color 20.0050, 0.2776, 0.2774 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 20.0050, 0.2776, 0.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

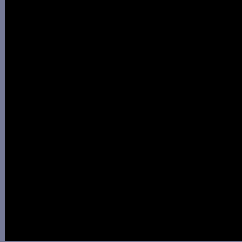
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

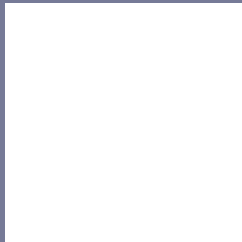
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0050, 0.2776, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 20.0050, 0.2776, 0.2774.



This preview shows how white text looks on a background with the Yxy color 20.0050, 0.2776, 0.2774.

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

20.0050, 0.2776, 0.2774

Protanopia

19.9353, 0.2765, 0.2773

Deuteranopia

20.0467, 0.2818, 0.2763



Tritanopia

20.0613, 0.2905, 0.3103

Trichromacy



Original Color

20.0050, 0.2776, 0.2774

Protanomaly

19.9353, 0.2765, 0.2773

Deuteranomaly

19.9741, 0.2807, 0.2761

Tritanomaly

20.0514, 0.2854, 0.2978

Monochromacy



Original Color

20.0050, 0.2776, 0.2774

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0247, 0.2994, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0050, 0.2776, 0.2774 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(118, 122, 151)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 151)  
}
```

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(118, 122, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 151) }
```

Border

The CSS property to change the border of an element to Yxy 20.0050, 0.2776, 0.2774 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(118, 122, 151) }
```

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

```
.border{ border-color:rgb(118, 122, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 122, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 122, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 122, 151);  
box-shadow:4px 4px 4px 4px rgb(118, 122,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0050, 0.2776, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 151) }
```

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

```
.background{ background-color: rgb(118,  
122, 151) }
```

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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