

Converting Colors

$Y_{xy}(20.0650, 0.2765, 0.2756)$

Have a look what the booklet for
Yxy(20.0650, 0.2765, 0.2756)
contains.

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Color

Yxy(20.0376, 0.2766, 0.2758)

Conversions

Conversions Part 1

Format	Color
Hex	767A98
RGB	118, 122, 152
RGB Percent	46%, 48%, 60%
CMY	0.5374, 0.5215, 0.4039
CMYK	0.22, 0.20, 0.00, 0.40
HSL	233°, 14%, 53%
HSV	233°, 22%, 60%
XYZ	20.0957, 20.0376, 32.5193
YIQ	124.2240, -12.0140, 8.4820

Conversions

Conversions Part 2

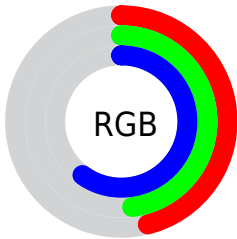
Format	Color
R _Y B	118, 122, 152
Decimal	7764632
CIE Lab	51.88, 5.28, -16.65
CIE LCh	52, 17.472, 287.604
Yxy	20.0376, 0.2766, 0.2758
Android (android.graphics.Color)	4285954712 (0xFF767A98)
YUV	124.2240, 13.6936, -5.4584
Hunter-Lab	44.7634, 1.7985, -11.7381

Details

The Yxy color $20.0376, 0.2766, 0.2758$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $29.1547, 0.3467, 0.3771$, and the grayscale version is $20.1901, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3863, 0.2853, 0.2874$, and $6.9699, 0.2619, 0.2541$ is the 20% darker color. If you saturate the color by 10%, you get $15.9923, 0.2580, 0.2477$, and if you desaturate by 10%, it is $24.7096, 0.2937, 0.3013$.

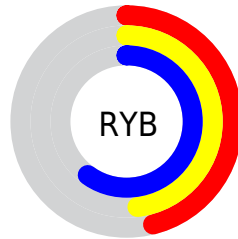
Distribution



Red (46%)

Green (48%)

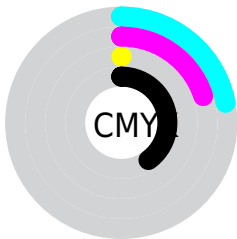
Blue (60%)



Red (46%)

Yellow (48%)

Blue (60%)

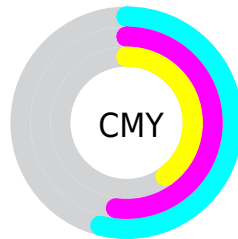


Cyan (22%)

Magenta (20%)

Yellow (0%)

Black (40%)



Cyan (54%)

Magenta (52%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0376, 0.2766, 0.2758 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 20.0376, 0.2766, 0.2758 by changing the saturation by 10% instead.

■ 20.0376, 0.2766,
0.2758

■ 20.0376, 0.2766,
0.2758

252.1186, 0.2971,
0.3054

■ 12.4224, 0.2705,
0.2672

■ 43.4802, 0.2847,
0.2874

■ 7.0320, 0.2619,
0.2554

■ 60.0764, 0.2876,
0.2915

■ 3.4821, 0.2491,
0.2382

■ 80.4350, 0.2899,
0.2949

■ 1.3883, 0.2282,
0.2110

104.9405, 0.2918,
0.2977

■ 0.2081, 0.1641,
0.1045

133.9772, 0.2935,
0.3001

■ 0.0000, 0.0000,
0.0000

167.9295, 0.2949,

0.3021

207.1818, 0.2961,
0.3039

■ 20.0376, 0.2766,
0.2758

■ 20.0376, 0.2766,
0.2758

■ 15.9923, 0.2580,
0.2477

■ 24.7096, 0.2937,
0.3013

■ 12.5446, 0.2385,
0.2174

■ 30.0309, 0.3092,
0.3240

■ 9.6667, 0.2186,
0.1858

■ 36.0260, 0.3231,
0.3439

■ 7.3277, 0.1995,
0.1546

■ 42.7172, 0.3354,
0.3613

■ 5.4938, 0.1823,
0.1253

■ 50.1262, 0.3462,
0.3764

■ 4.1270, 0.1682,
0.1002

■ 58.2732, 0.3557,
0.3894

■ 3.1840, 0.1582,
0.0808

■ 67.1782, 0.3640,
0.4007

■ 2.7015, 0.1528,
0.0702

■ 76.8598, 0.3713,
0.4104

■ 87.3366, 0.3777,
0.4189

Harmonies

Analogous

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



20.0376, 0.2574, 0.2815



20.0376, 0.2766, 0.2758



20.0376, 0.3062, 0.2830

Triad

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



20.0376, 0.2766, 0.2758



20.0376, 0.3772, 0.3525



20.0376, 0.2854, 0.3596

Complementary

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



20.0376, 0.2766, 0.2758



29.1547, 0.3467, 0.3771

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.



20.0376, 0.3166, 0.3814



20.0376, 0.2766, 0.2758



20.0376, 0.3704, 0.3751

Square

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



20.0376, 0.2766, 0.2758



20.0376, 0.3655, 0.3257



20.0376, 0.3479, 0.3866



20.0376, 0.2622, 0.3289

Rectangle

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



20.0376, 0.2766, 0.2758



20.0376, 0.3282, 0.2939



20.0376, 0.3479, 0.3866



20.0376, 0.2952, 0.3683

Sweetspot

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



20.0384, 0.2766, 0.2758



48.4000, 0.3021, 0.3136



28.4314, 0.2842, 0.3366



10.8893, 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.



20.0384, 0.2766, 0.2758



31.5655, 0.2672, 0.2617



19.9986, 0.2900, 0.2708



6.1386, 0.2988, 0.3088



2.2909, 0.1530, 0.0709



0.0613, 0.1656, 0.1160

Inverse Universe

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



21.0316, 0.3516, 0.3224



33.7186, 0.3635, 0.3208



29.3025, 0.3321, 0.3856



6.2340, 0.3266, 0.3264



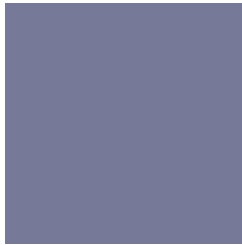
5.6366, 0.6218, 0.3199



0.0870, 0.5524, 0.2817

Previews

White Background



This preview shows how the Yxy color 20.0376, 0.2766, 0.2758 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 20.0376, 0.2766, 0.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

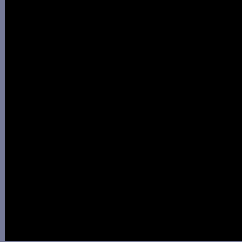
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

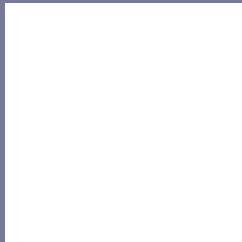
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0376, 0.2766, 0.2758

Background



This preview shows how black text looks on a background with the Yxy color 20.0376, 0.2766, 0.2758.



This preview shows how white text looks on a background with the Yxy color 20.0376, 0.2766, 0.2758.

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

20.0376, 0.2766, 0.2758

Protanopia

19.9680, 0.2756, 0.2757

Deuteranopia

20.0067, 0.2797, 0.2745



Tritanopia

20.0613, 0.2905, 0.3103

Trichromacy



Original Color

20.0376, 0.2766, 0.2758

Protanomaly

19.9680, 0.2756, 0.2757

Deuteranomaly

19.9348, 0.2787, 0.2743

Tritanomaly

20.0514, 0.2854, 0.2978

Monochromacy



Original Color

20.0376, 0.2766, 0.2758

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 20.0376, 0.2766, 0.2758 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 152) }
```

Border

The CSS property to change the border of an element to Yxy 20.0376, 0.2766, 0.2758 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, 152) }
```

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

```
.border{ border-color:rgb(118, 122, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 122, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 122, 152);  
box-shadow:4px 4px 4px 4px rgb(118, 122,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0376, 0.2766, 0.2758 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, 152) }
```

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

```
.background{ background-color: rgb(118,  
122, 152) }
```

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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