

Converting Colors

$Y_{xy}(20.5574, 0.2755, 0.2914)$

Have a look what the booklet for
Yxy(20.5574, 0.2755, 0.2914)
contains.

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Color

Yxy(20.4730, 0.2756, 0.2907)

Conversions

Conversions Part 1

Format	Color
Hex	707E93
RGB	112, 126, 147
RGB Percent	44%, 49%, 58%
CMY	0.5608, 0.5059, 0.4234
CMYK	0.24, 0.14, 0.00, 0.42
HSL	216°, 14%, 51%
HSV	216°, 24%, 58%
XYZ	19.4096, 20.4730, 30.5440
YIQ	124.2080, -15.0850, 3.5630

Conversions

Conversions Part 2

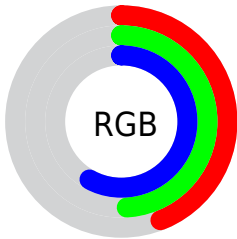
Format	Color
R _Y B	112, 122, 147
Decimal	7372435
CIE Lab	52.37, -0.25, -13.05
CIE LCh	52, 13.051, 268.904
Yxy	20.4730, 0.2756, 0.2907
Android (android.graphics.Color)	4285562515 (0xFF707E93)
YUV	124.2080, 11.2365, -10.7064
Hunter-Lab	45.2471, -2.6116, -8.3507

Details

The Yxy color $20.4730, 0.2756, 0.2907$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $24.1531, 0.3524, 0.3645$, and the grayscale version is $20.1944, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.3498, 0.2837, 0.2998$, and $7.2090, 0.2609, 0.2760$ is the 20% darker color. If you saturate the color by 10%, you get $17.4294, 0.2590, 0.2717$, and if you desaturate by 10%, it is $23.8747, 0.2917, 0.3080$.

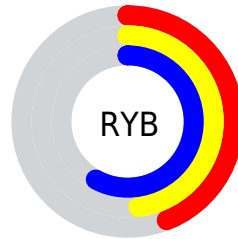
Distribution



Red (44%)

Green (49%)

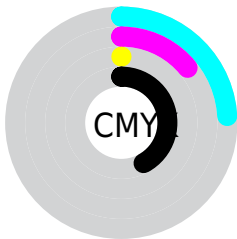
Blue (58%)



Red (44%)

Yellow (48%)

Blue (58%)

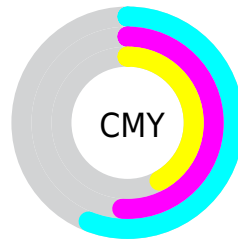


Cyan (24%)

Magenta (14%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4730, 0.2756, 0.2907 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 20.4730, 0.2756, 0.2907 by changing the saturation by 10% instead.

■ 20.4730, 0.2756,
0.2907

■ 20.4730, 0.2756,
0.2907

■ 254.4644, 0.2965,
0.3123

■ 12.7393, 0.2694,
0.2843

■ 44.2088, 0.2839,
0.2992

■ 7.2493, 0.2608,
0.2754

■ 60.9797, 0.2868,
0.3022

■ 3.6185, 0.2480,
0.2621

■ 81.5318, 0.2891,
0.3047

■ 1.4625, 0.2272,
0.2405

■ 106.2496, 0.2911,
0.3067

■ 0.2621, 0.1411,
0.1522

■ 135.5173, 0.2928,
0.3084

■ 0.0000, 0.0000,
0.0000

169.7194, 0.2942,

0.3099

209.2403, 0.2954,
0.3112

■ 20.4730, 0.2756,
0.2907

■ 20.4730, 0.2756,
0.2907

■ 17.4294, 0.2590,
0.2717

■ 23.8747, 0.2917,
0.3080

■ 14.7288, 0.2422,
0.2512

■ 27.6440, 0.3071,
0.3235

■ 12.3582, 0.2257,
0.2294

■ 31.7933, 0.3215,
0.3373

■ 10.3031, 0.2100,
0.2068

■ 36.3334, 0.3349,
0.3496

■ 8.5476, 0.1959,
0.1841

■ 41.2748, 0.3474,
0.3603

■ 7.0738, 0.1839,
0.1620

■ 46.6275, 0.3588,
0.3697

■ 5.8615, 0.1744,
0.1414

■ 52.4011, 0.3693,
0.3780

■ 5.2165, 0.1693,
0.1294

■ 58.6051, 0.3789,
0.3852

■ 65.2484, 0.3877,
0.3915

Harmonies

Analogous

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



20.4730, 0.2674, 0.3016



20.4730, 0.2756, 0.2907



20.4730, 0.2936, 0.2899

Triad

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



20.4730, 0.2756, 0.2907



20.4730, 0.3565, 0.3346



20.4730, 0.3068, 0.3625

Complementary

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



20.4730, 0.2756, 0.2907



24.1531, 0.3524, 0.3645

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.



20.4730, 0.3308, 0.3714



20.4730, 0.2756, 0.2907



20.4730, 0.3601, 0.3540

Square

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



20.4730, 0.2756, 0.2907



20.4730, 0.3406, 0.3146



20.4730, 0.3505, 0.3678



20.4730, 0.2850, 0.3434

Rectangle

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



20.4730, 0.2756, 0.2907



20.4730, 0.3091, 0.2947



20.4730, 0.3505, 0.3678



20.4730, 0.3149, 0.3668

Sweetspot

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



20.4738, 0.2756, 0.2907



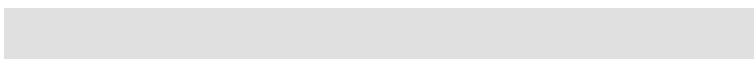
47.1782, 0.3021, 0.3186



25.9978, 0.2912, 0.3552



10.6899, 0.3013, 0.3178



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.4738, 0.2756, 0.2907



33.4339, 0.2661, 0.2800



17.3309, 0.2768, 0.2648



5.9910, 0.2989, 0.3154



4.5666, 0.1696, 0.1305



0.1109, 0.1926, 0.2133

Inverse Universe

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



19.2972, 0.3416, 0.3052



31.1251, 0.3508, 0.2992



27.9850, 0.3442, 0.3872



5.8515, 0.3223, 0.3202



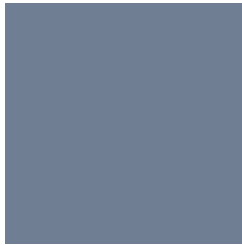
5.6544, 0.5320, 0.2704



0.0748, 0.4305, 0.2145

Previews

White Background



This preview shows how the Yxy color 20.4730, 0.2756, 0.2907 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 20.4730, 0.2756, 0.2907 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

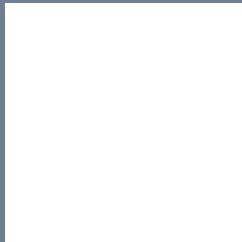
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.4730, 0.2756, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 20.4730, 0.2756, 0.2907.

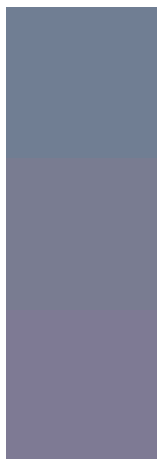


This preview shows how white text looks on a background with the Yxy color 20.4730, 0.2756, 0.2907.

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

20.4730, 0.2756, 0.2907

Protanopia

20.5246, 0.2869, 0.2915

Deuteranopia

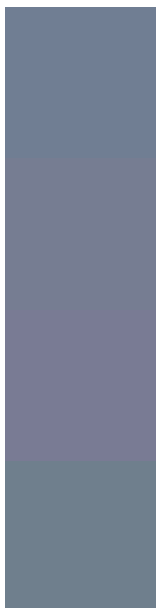
20.4928, 0.2893, 0.2836



Tritanopia

20.5883, 0.2824, 0.3103

Trichromacy



Original Color

20.4730, 0.2756, 0.2907

Protanomaly

20.5941, 0.2828, 0.2913

Deuteranomaly

20.3690, 0.2839, 0.2846

Tritanomaly

20.4813, 0.2804, 0.3030

Monochromacy



Original Color

20.4730, 0.2756, 0.2907

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3262, 0.2992, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4730, 0.2756, 0.2907 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, 126, 147)` looks like.

```
.text, #text, p{  
    color:rgb(112, 126, 147)  
}
```

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, 126, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 126, 147) }
```

Border

The CSS property to change the border of an element to Yxy 20.4730, 0.2756, 0.2907 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, 126, 147) }
```

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

```
.border{ border-color:rgb(112, 126, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 126, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 126, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 126, 147);  
box-shadow:4px 4px 4px 4px rgb(112, 126,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4730, 0.2756, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 126, 147) }
```

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

```
.background{ background-color: rgb(112,  
126, 147) }
```

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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