

Converting Colors

$Y_{xy}(21.7231, 0.2716, 0.3052)$

Have a look what the booklet for
Yxy(21.7231, 0.2716, 0.3052)
contains.

Yxy(21.8226, 0.2717, 0.3068)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8226, 0.2717, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	698591
RGB	105, 133, 145
RGB Percent	41%, 52%, 57%
CMY	0.5881, 0.4784, 0.4314
CMYK	0.28, 0.08, 0.00, 0.43
HSL	198°, 16%, 49%
HSV	198°, 28%, 57%
XYZ	19.3259, 21.8226, 29.9812
YIQ	125.9960, -20.5400, -2.2040

Conversions

Conversions Part 2

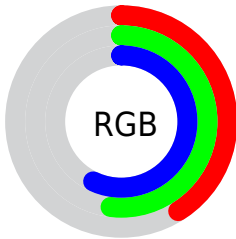
Format	Color
R_{YB}	105, 121, 145
Decimal	6915473
CIE _{Lab}	53.84, -7.01, -9.70
CIE _{LCh}	54, 11.972, 234.151
Yxy	21.8226, 0.2717, 0.3068
Android (android.graphics.Color)	4285105553 (0xFF698591)
YUV	125.9960, 9.3690, -18.4135
Hunter-Lab	46.7147, -7.9049, -5.3517

Details

The Yxy color **21.8226, 0.2717, 0.3068** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7690, 0.3647, 0.3501**, and the grayscale version is **20.8372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4094, 0.2804, 0.3115**, and **8.0076, 0.2554, 0.2979** is the 20% darker color. If you saturate the color by 10%, you get **19.8513, 0.2574, 0.2974**, and if you desaturate by 10%, it is **23.9948, 0.2865, 0.3155**.

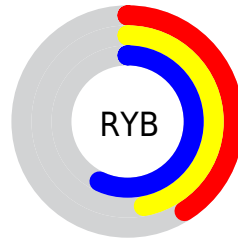
Distribution



Red (41%)

Green (52%)

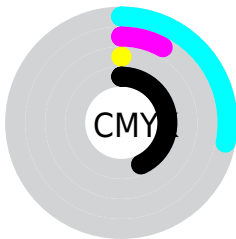
Blue (57%)



Red (41%)

Yellow (47%)

Blue (57%)

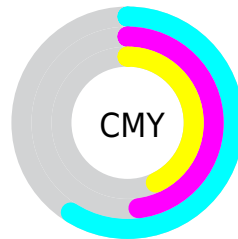


Cyan (28%)

Magenta (8%)

Yellow (0%)

Black (43%)



Cyan (59%)

Magenta (48%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8226, 0.2717, 0.3068 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 21.8226, 0.2717, 0.3068 by changing the saturation by 10% instead.

■ 21.8226, 0.2717,
0.3068

■ 21.8226, 0.2717,
0.3068

■ 261.6184, 0.2945,
0.3195

■ 13.7266, 0.2651,
0.3029

■ 46.4526, 0.2806,
0.3119

■ 7.9308, 0.2560,
0.2975

■ 63.7554, 0.2838,
0.3136

■ 4.0507, 0.2426,
0.2892

■ 84.8960, 0.2864,
0.3151

■ 1.7020, 0.2212,
0.2753

■ 110.2586, 0.2885,
0.3163

■ 0.4249, 0.1286,
0.2348

■ 140.2278, 0.2904,
0.3173

■ 0.0000, 0.0000,
0.0000

175.1879, 0.2919,

0.3181

215.5233, 0.2933,
0.3189

■ 21.8226, 0.2717,
0.3068

■ 21.8226, 0.2717,
0.3068

■ 19.8513, 0.2574,
0.2974

■ 23.9948, 0.2865,
0.3155

■ 18.0701, 0.2439,
0.2874

■ 26.3729, 0.3014,
0.3235

■ 16.4710, 0.2316,
0.2769

■ 28.9649, 0.3163,
0.3307

■ 15.0443, 0.2207,
0.2660

■ 31.7777, 0.3310,
0.3372

■ 13.7791, 0.2115,
0.2549

■ 34.8177, 0.3452,
0.3430

■ 12.6629, 0.2042,
0.2438

■ 38.0910, 0.3589,
0.3481

■ 11.6730, 0.1986,
0.2328

■ 41.6036, 0.3720,
0.3526

■ 11.4423, 0.1973,
0.2301

■ 45.3611, 0.3844,
0.3565

■ 49.3690, 0.3961,
0.3600

Harmonies

Analogous

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



21.8226, 0.2764, 0.3249



21.8226, 0.2717, 0.3068



21.8226, 0.2775, 0.2955

Triad

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



21.8226, 0.2717, 0.3068



21.8226, 0.3347, 0.3135



21.8226, 0.3322, 0.3672

Complementary

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



21.8226, 0.2717, 0.3068



19.7690, 0.3647, 0.3501

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.



21.8226, 0.3487, 0.3625



21.8226, 0.2717, 0.3068



21.8226, 0.3504, 0.3312

Square

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



21.8226, 0.2717, 0.3068



21.8226, 0.3134, 0.2998



21.8226, 0.3555, 0.3491



21.8226, 0.3109, 0.3609

Rectangle

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



21.8226, 0.2717, 0.3068



21.8226, 0.2866, 0.2930



21.8226, 0.3555, 0.3491



21.8226, 0.3386, 0.3668

Sweetspot

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



21.8235, 0.2717, 0.3068



46.9650, 0.3005, 0.3230



24.5402, 0.2982, 0.3818



10.3127, 0.2985, 0.3220



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.8235, 0.2717, 0.3068



36.8803, 0.2629, 0.3011



16.8637, 0.2680, 0.2683



5.8467, 0.2990, 0.3222



9.8611, 0.1974, 0.2308



0.1330, 0.2114, 0.2811

Inverse Universe

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



17.8213, 0.3311, 0.2815



28.7146, 0.3363, 0.2707



24.9328, 0.3561, 0.3832



5.4838, 0.3180, 0.3137



5.9818, 0.4118, 0.2042



0.0611, 0.3625, 0.1770

Previews

White Background



This preview shows how the Yxy color 21.8226, 0.2717, 0.3068 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 21.8226, 0.2717, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

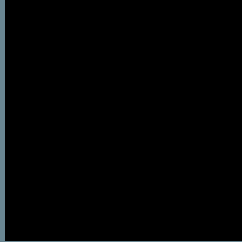
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

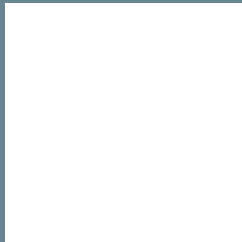
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8226, 0.2717, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 21.8226, 0.2717, 0.3068.



This preview shows how white text looks on a background with the Yxy color 21.8226, 0.2717, 0.3068.

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

21.8226, 0.2717, 0.3068

Protanopia

21.6139, 0.2978, 0.3043

Deuteranopia

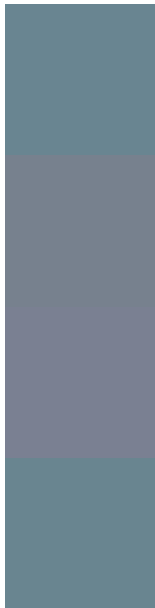
21.6793, 0.2972, 0.2913



Tritanopia

21.7919, 0.2726, 0.3086

Trichromacy



Original Color

21.8226, 0.2717, 0.3068

Protanomaly

21.5754, 0.2881, 0.3056

Deuteranomaly

21.6512, 0.2873, 0.2972

Tritanomaly

21.7919, 0.2726, 0.3086

Monochromacy



Original Color

21.8226, 0.2717, 0.3068

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2455, 0.2960, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8226, 0.2717, 0.3068 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(105, 133, 145)` looks like.

```
.text, #text, p{  
    color:rgb(105, 133, 145)  
}
```

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(105, 133, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 133, 145) }
```

Border

The CSS property to change the border of an element to Yxy 21.8226, 0.2717, 0.3068 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(105, 133, 145) }
```

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

```
.border{ border-color:rgb(105, 133, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 133, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 133, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 133, 145);  
box-shadow:4px 4px 4px 4px rgb(105, 133,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8226, 0.2717, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 133, 145) }
```

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

```
.background{ background-color: rgb(105,  
133, 145) }
```

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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