

Converting Colors

$Y_{xy}(21.9620, 0.2761, 0.3398)$

Have a look what the booklet for
Yxy(21.9620, 0.2761, 0.3398)
contains.

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Color

Yxy(22.0168, 0.2763, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	608983
RGB	96, 137, 131
RGB Percent	38%, 54%, 51%
CMY	0.6235, 0.4627, 0.4863
CMYK	0.30, 0.00, 0.04, 0.46
HSL	171°, 18%, 46%
HSV	171°, 30%, 54%
XYZ	17.8656, 22.0168, 24.7778
YIQ	124.0570, -22.5100, -10.5580

Conversions

Conversions Part 2

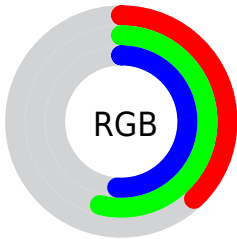
Format	Color
RYB	96, 118, 137
Decimal	6326659
CIELab	54.04, -15.50, -1.34
CIElCh	54, 15.559, 184.931
Yxy	22.0168, 0.2763, 0.3405
Android (android.graphics.Color)	4284516739 (0xFF608983)
YUV	124.0570, 3.4229, -24.6060
Hunter-Lab	46.9221, -14.1496, 1.5366

Details

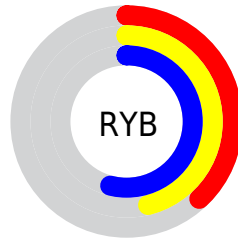
The Yxy color $22.0168, 0.2763, 0.3405$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $14.6438, 0.3670, 0.3180$, and the grayscale version is $20.1701, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.5835, 0.2844, 0.3372$, and $8.0299, 0.2615, 0.3440$ is the 20% darker color. If you saturate the color by 10%, you get $21.2843, 0.2660, 0.3449$, and if you desaturate by 10%, it is $22.8817, 0.2877, 0.3363$.

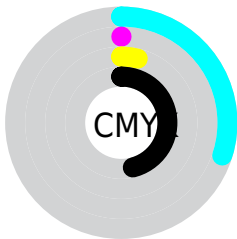
Distribution



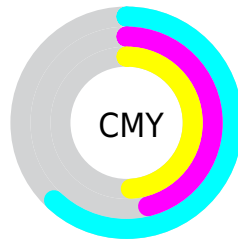
- Red (38%)
- Green (54%)
- Blue (51%)



- Red (38%)
- Yellow (46%)
- Blue (54%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (46%)



- Cyan (62%)
- Magenta (46%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0168, 0.2763, 0.3405 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 22.0168, 0.2763, 0.3405 by changing the saturation by 10% instead.

■ 22.0168, 0.2763,
0.3405

■ 22.0168, 0.2763,
0.3405

■ 262.6340, 0.2967,
0.3342

■ 13.8692, 0.2703,
0.3423

■ 46.7738, 0.2843,
0.3380

■ 8.0298, 0.2620,
0.3448

■ 64.1520, 0.2871,
0.3372

■ 4.1140, 0.2497,
0.3484

■ 85.3758, 0.2894,
0.3364

■ 1.7375, 0.2296,
0.3541

■ 110.8298, 0.2914,
0.3358

■ 0.4478, 0.0438,
0.4161

■ 140.8981, 0.2930,
0.3353

■ 0.0000, 0.0000,
0.0000

175.9654, 0.2944,

0.3349

216.4159, 0.2956,
0.3345

■ 22.0168, 0.2763,
0.3405

■ 22.0168, 0.2763,
0.3405

■ 21.2843, 0.2660,
0.3449

■ 22.8817, 0.2877,
0.3363

■ 20.6747, 0.2571,
0.3496

■ 23.8825, 0.3000,
0.3325

■ 20.1816, 0.2497,
0.3545

■ 25.0260, 0.3128,
0.3290

■ 19.7970, 0.2440,
0.3594

■ 26.3176, 0.3260,
0.3258

■ 19.5115, 0.2402,
0.3645

■ 27.7625, 0.3393,
0.3229

■ 19.3147, 0.2382,
0.3695

■ 29.3658, 0.3526,
0.3204

■ 19.1758, 0.2374,
0.3745

■ 31.1321, 0.3656,
0.3182

■ 19.1749, 0.2374,
0.3746

■ 33.0659, 0.3784,
0.3163

■ 35.1717, 0.3907,
0.3146

Harmonies

Analogous

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



22.0168, 0.3002, 0.3645



22.0168, 0.2763, 0.3405



22.0168, 0.2623, 0.3142

Triad

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



22.0168, 0.2763, 0.3405



22.0168, 0.2956, 0.2850



22.0168, 0.3668, 0.3617

Complementary

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



22.0168, 0.2763, 0.3405



14.6438, 0.3670, 0.3180

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.



22.0168, 0.3659, 0.3400



22.0168, 0.2763, 0.3405



22.0168, 0.3237, 0.2970

Square

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



22.0168, 0.2763, 0.3405



22.0168, 0.2730, 0.2835



22.0168, 0.3498, 0.3167



22.0168, 0.3527, 0.3761

Rectangle

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



22.0168, 0.2763, 0.3405



22.0168, 0.2601, 0.2995



22.0168, 0.3498, 0.3167



22.0168, 0.3683, 0.3550

Sweetspot

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



22.0177, 0.2763, 0.3405



42.9075, 0.3009, 0.3322



21.5705, 0.3154, 0.4110



9.5688, 0.2993, 0.3327



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.0177, 0.2763, 0.3405



38.5012, 0.2691, 0.3435



18.3728, 0.2681, 0.3007



5.6762, 0.3009, 0.3322



17.8616, 0.2373, 0.3744



0.1203, 0.2306, 0.3501

Inverse Universe

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



14.6438, 0.3670, 0.3180



23.0597, 0.3848, 0.3154



17.3909, 0.3689, 0.3556



5.0598, 0.3259, 0.3258



5.0026, 0.6150, 0.3162



0.0345, 0.5347, 0.2719

Previews

White Background



This preview shows how the Yxy color 22.0168, 0.2763, 0.3405 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 22.0168, 0.2763, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

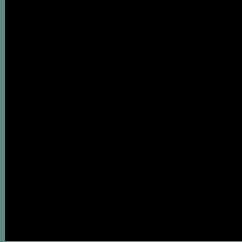
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

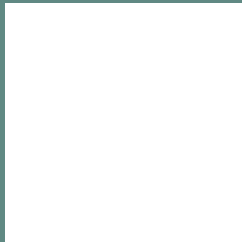
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0168, 0.2763, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 22.0168, 0.2763, 0.3405.



This preview shows how white text looks on a background with the Yxy color 22.0168, 0.2763, 0.3405.

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

22.0168, 0.2763, 0.3405

Protanopia

21.8502, 0.3196, 0.3326

Deuteranopia

21.8774, 0.3194, 0.3136



Tritanopia

22.0559, 0.2657, 0.3085

Trichromacy



Original Color

22.0168, 0.2763, 0.3405

Protanomaly

21.7131, 0.3023, 0.3345

Deuteranomaly

21.6049, 0.3016, 0.3217

Tritanomaly

22.1281, 0.2692, 0.3195

Monochromacy



Original Color

22.0168, 0.2763, 0.3405

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8102, 0.2977, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0168, 0.2763, 0.3405 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(96, 137, 131) looks like.

```
.text, #text, p{  
    color:rgb(96, 137, 131)  
}
```

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(96, 137, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 137, 131) }
```

Border

The CSS property to change the border of an element to Yxy 22.0168, 0.2763, 0.3405 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(96, 137, 131) }
```

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

```
.border{ border-color:rgb(96, 137, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 137, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 137, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 137, 131);  
box-shadow:4px 4px 4px 4px rgb(96, 137,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0168, 0.2763, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 137, 131) }
```

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

```
.background{ background-color: rgb(96, 137,  
131) }
```

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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