

Converting Colors

$Y_{xy}(22.2762, 0.2983, 0.3758)$

Have a look what the booklet for
Yxy(22.2762, 0.2983, 0.3758)
contains.

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Color

$Y_{xy}(22.2754, 0.2989, 0.3758)$

Conversions

Conversions Part 1

Format	Color
Hex	678A72
RGB	103, 138, 114
RGB Percent	40%, 54%, 45%
CMY	0.5961, 0.4588, 0.5530
CMYK	0.25, 0.00, 0.17, 0.46
HSL	139°, 15%, 47%
HSV	139°, 25%, 54%
XYZ	17.7172, 22.2754, 19.2820
YIQ	124.7990, -13.1560, -14.8840

Conversions

Conversions Part 2

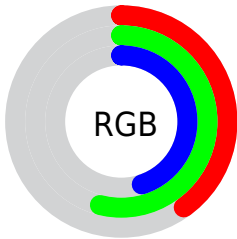
Format	Color
RYB	103, 130, 138
Decimal	6785650
CIELab	54.32, -17.47, 8.93
CIELCh	54, 19.622, 152.943
Yxy	22.2754, 0.2989, 0.3758
Android (android.graphics.Color)	4284975730 (0xFF678A72)
YUV	124.7990, -5.3239, -19.1177
Hunter-Lab	47.1968, -15.5874, 8.8151

Details

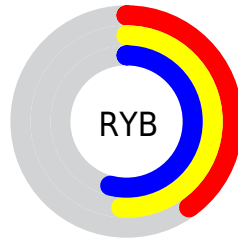
The Yxy color $22.2754, 0.2989, 0.3758$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.6333, 0.3300, 0.2864$, and the grayscale version is $20.4577, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.4210, 0.3023, 0.3652$, and $8.1850, 0.2929, 0.3964$ is the 20% darker color. If you saturate the color by 10%, you get $21.3222, 0.2939, 0.3978$, and if you desaturate by 10%, it is $23.3875, 0.3043, 0.3558$.

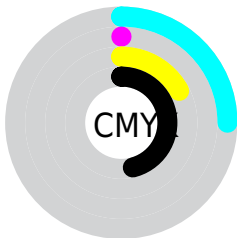
Distribution



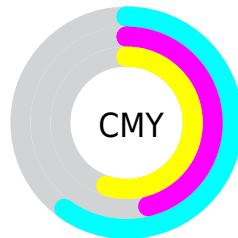
- Red (40%)
- Green (54%)
- Blue (45%)



- Red (40%)
- Yellow (51%)
- Blue (54%)



- Cyan (25%)
- Magenta (0%)
- Yellow (17%)
- Black (46%)



- Cyan (60%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2754, 0.2989, 0.3758 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 22.2754, 0.2989, 0.3758 by changing the saturation by 10% instead.

■ 22.2754, 0.2989,
0.3758

■ 22.2754, 0.2989,
0.3758

263.9811, 0.3070,
0.3488

■ 14.0594, 0.2963,
0.3841

■ 47.2008, 0.3022,
0.3649

■ 8.1620, 0.2926,
0.3961

■ 64.6789, 0.3033,
0.3612

■ 4.1988, 0.2867,
0.4145

■ 86.0132, 0.3042,
0.3582

■ 1.7854, 0.2760,
0.4467

■ 111.5881, 0.3050,
0.3556

■ 0.4780, 0.0549,
0.9451

141.7879, 0.3056,
0.3535

■ 0.0000, 0.0000,
0.0000

176.9971, 0.3062,

0.3517

217.6000, 0.3066,
0.3502

■ 22.2754, 0.2989,
0.3758

■ 22.2754, 0.2989,
0.3758

■ 21.3222, 0.2939,
0.3978

■ 23.3875, 0.3043,
0.3558

■ 20.5178, 0.2895,
0.4216

■ 24.6624, 0.3098,
0.3378

■ 19.8552, 0.2860,
0.4467

■ 26.1076, 0.3152,
0.3219

■ 19.3258, 0.2837,
0.4724

■ 27.7290, 0.3206,
0.3078

■ 18.9202, 0.2828,
0.4977

■ 29.5323, 0.3258,
0.2955

■ 18.6272, 0.2835,
0.5216

■ 31.5232, 0.3307,
0.2847

■ 18.4316, 0.2857,
0.5430

■ 33.7067, 0.3354,
0.2753

■ 18.3563, 0.2867,
0.5521

■ 36.0880, 0.3398,
0.2672

■ 38.6719, 0.3440,
0.2600

Harmonies

Analogous

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



22.2754, 0.3339, 0.3912



22.2754, 0.2989, 0.3758



22.2754, 0.2688, 0.3455

Triad

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



22.2754, 0.2989, 0.3758



22.2754, 0.2618, 0.2727



22.2754, 0.3789, 0.3402

Complementary

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



22.2754, 0.2989, 0.3758



16.6333, 0.3300, 0.2864

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.



22.2754, 0.3574, 0.3116



22.2754, 0.2989, 0.3758



22.2754, 0.2889, 0.2740

Square

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



22.2754, 0.2989, 0.3758



22.2754, 0.2483, 0.2857



22.2754, 0.3239, 0.2880



22.2754, 0.3813, 0.3677

Rectangle

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



22.2754, 0.2989, 0.3758



22.2754, 0.2551, 0.3227



22.2754, 0.3239, 0.2880



22.2754, 0.3737, 0.3304

Sweetspot

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



22.2763, 0.2989, 0.3758



42.8097, 0.3082, 0.3426



23.7086, 0.3371, 0.3925



9.5326, 0.3075, 0.3450



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.



22.2763, 0.2989, 0.3758



38.3427, 0.2962, 0.3872



22.7004, 0.2830, 0.3422



5.6324, 0.3077, 0.3444



16.8306, 0.2865, 0.5514



0.1142, 0.2639, 0.4700

Inverse Universe

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



16.6333, 0.3300, 0.2864



26.7758, 0.3344, 0.2773



16.2265, 0.3537, 0.3163



5.1027, 0.3181, 0.3141



5.7081, 0.4168, 0.2070



0.0406, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 22.2754, 0.2989, 0.3758 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 22.2754, 0.2989, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

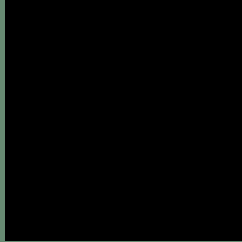
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2754, 0.2989, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 22.2754, 0.2989, 0.3758.



This preview shows how white text looks on a background with the Yxy color 22.2754, 0.2989, 0.3758.

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

22.2754, 0.2989, 0.3758

Protanopia

22.0605, 0.3425, 0.3629

Deuteranopia

22.1546, 0.3492, 0.3427



Tritanopia

22.3150, 0.2766, 0.3107

Trichromacy



Original Color

22.2754, 0.2989, 0.3758

Protanomaly

21.9353, 0.3260, 0.3679

Deuteranomaly

22.0515, 0.3293, 0.3543

Tritanomaly

22.1472, 0.2848, 0.3327

Monochromacy



Original Color

22.2754, 0.2989, 0.3758

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.1276, 0.3073, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2754, 0.2989, 0.3758 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(103, 138, 114)` looks like.

```
.text, #text, p{  
    color:rgb(103, 138, 114)  
}
```

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(103, 138, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 138, 114) }
```

Border

The CSS property to change the border of an element to Yxy 22.2754, 0.2989, 0.3758 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(103, 138, 114) }
```

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

```
.border{ border-color:rgb(103, 138, 114) }
```

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

Here you see how a box with a 4 pixel rgb(103, 138, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 138, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 138, 114);  
box-shadow:4px 4px 4px 4px rgb(103, 138,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2754, 0.2989, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 138, 114) }
```

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

```
.background{ background-color: rgb(103,  
138, 114) }
```

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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