

Converting Colors

$Y_{xy}(30.4172, 0.2701, 0.3151)$

Have a look what the booklet for
Yxy(30.4172, 0.2701, 0.3151)
contains.

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Color

Yxy(30.2755, 0.2700, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	759CA5
RGB	117, 156, 165
RGB Percent	46%, 61%, 65%
CMY	0.5411, 0.3882, 0.3530
CMYK	0.29, 0.05, 0.00, 0.35
HSL	191°, 21%, 55%
HSV	191°, 29%, 65%
XYZ	26.0165, 30.2755, 40.0654
YIQ	145.3650, -26.1330, -5.4690

Conversions

Conversions Part 2

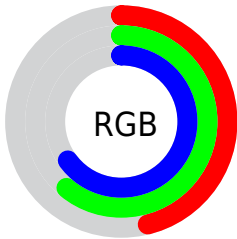
Format	Color
R _Y B	117, 139, 165
Decimal	7707813
CIE Lab	61.89, -11.09, -9.02
CIE LCh	62, 14.300, 219.120
Yxy	30.2755, 0.2700, 0.3142
Android (android.graphics.Color)	4285897893 (0xFF759CA5)
YUV	145.3650, 9.6801, -24.8761
Hunter-Lab	55.0232, -11.8908, -4.6561

Details

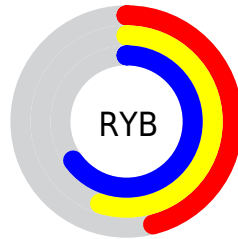
The Yxy color **30.2755, 0.2700, 0.3142** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.2054, 0.3714, 0.3432**, and the grayscale version is **28.4407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3019, 0.2783, 0.3179**, and **12.4887, 0.2566, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **28.2082, 0.2566, 0.3083**, and if you desaturate by 10%, it is **32.5730, 0.2842, 0.3197**.

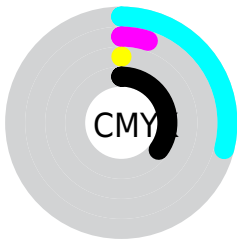
Distribution



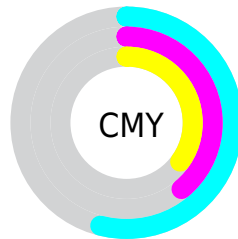
- Red (46%)
- Green (61%)
- Blue (65%)



- Red (46%)
- Yellow (55%)
- Blue (65%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



- Cyan (54%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2755, 0.2700, 0.3142 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 30.2755, 0.2700, 0.3142 by changing the saturation by 10% instead.

■ 30.2755, 0.2700,
0.3142

■ 30.2755, 0.2700,
0.3142

■ 303.1865, 0.2926,
0.3224

■ 20.0478, 0.2639,
0.3118

■ 60.0976, 0.2785,
0.3174

■ 12.4298, 0.2559,
0.3086

■ 80.4608, 0.2816,
0.3186

■ 7.0371, 0.2447,
0.3038

■ 104.9712, 0.2842,
0.3195

■ 3.4853, 0.2281,
0.2963

■ 134.0134, 0.2864,
0.3203

■ 1.3900, 0.2011,
0.2829

■ 167.9716, 0.2883,
0.3209

■ 0.2094, 0.0000,
0.1960

■ 207.2302, 0.2899,

■ 0.0000, 0.0000,

0.3215

0.0000

252.1737, 0.2913,
0.3220

■ 30.2755, 0.2700,
0.3142

■ 30.2755, 0.2700,
0.3142

■ 28.2082, 0.2566,
0.3083

■ 32.5730, 0.2842,
0.3197

■ 26.3568, 0.2445,
0.3021

■ 35.1072, 0.2990,
0.3248

■ 24.7108, 0.2337,
0.2957

■ 37.8886, 0.3141,
0.3294

■ 23.2571, 0.2246,
0.2890

■ 40.9260, 0.3292,
0.3336

■ 21.9811, 0.2174,
0.2823

■ 44.2277, 0.3442,
0.3373

■ 20.8656, 0.2121,
0.2757

■ 47.8017, 0.3588,
0.3407

■ 19.8766, 0.2082,
0.2690

■ 51.6555, 0.3730,
0.3436

■ 19.7880, 0.2079,
0.2684

■ 55.7966, 0.3866,
0.3461

■ 58.1845, 0.3907,
0.3490

Harmonies

Analogous

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



30.2755, 0.2803, 0.3355



30.2755, 0.2700, 0.3142



30.2755, 0.2706, 0.2981

Triad

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



30.2755, 0.2700, 0.3142



30.2755, 0.3252, 0.3043



30.2755, 0.3435, 0.3688

Complementary

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



30.2755, 0.2700, 0.3142



24.2054, 0.3714, 0.3432

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.



30.2755, 0.3565, 0.3585



30.2755, 0.2700, 0.3142



30.2755, 0.3458, 0.3215

Square

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



30.2755, 0.2700, 0.3142



30.2755, 0.3017, 0.2932



30.2755, 0.3574, 0.3411



30.2755, 0.3224, 0.3681

Rectangle

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



30.2755, 0.2700, 0.3142



30.2755, 0.2771, 0.2921



30.2755, 0.3574, 0.3411



30.2755, 0.3490, 0.3664

Sweetspot

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



30.2767, 0.2700, 0.3142



62.8410, 0.2989, 0.3247



32.1915, 0.3018, 0.3958



13.5949, 0.2968, 0.3241



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.2767, 0.2700, 0.3142



51.7535, 0.2611, 0.3104



23.0576, 0.2657, 0.2734



7.7846, 0.2988, 0.3247



15.0394, 0.2081, 0.2691



0.3710, 0.2147, 0.2931

Inverse Universe

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



23.1243, 0.3263, 0.2706



37.0355, 0.3300, 0.2573



31.0315, 0.3614, 0.3789



7.1793, 0.3165, 0.3109



7.3624, 0.3737, 0.1832



0.1603, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 30.2755, 0.2700, 0.3142 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.2755, 0.2700, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

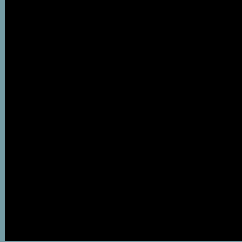
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

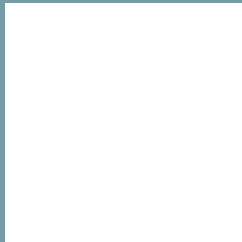
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2755, 0.2700, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 30.2755, 0.2700, 0.3142.

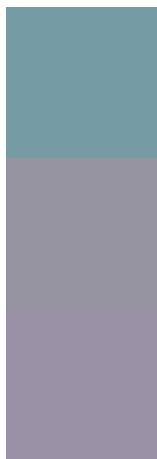


This preview shows how white text looks on a background with the Yxy color 30.2755, 0.2700, 0.3142.

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

30.2755, 0.2700, 0.3142

Protanopia

30.1074, 0.3025, 0.3105

Deuteranopia

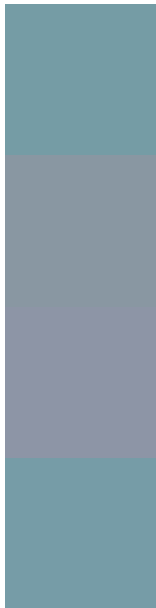
30.0094, 0.3021, 0.2961



Tritanopia

30.4556, 0.2685, 0.3095

Trichromacy



Original Color

30.2755, 0.2700, 0.3142

Protanomaly

30.0602, 0.2892, 0.3116

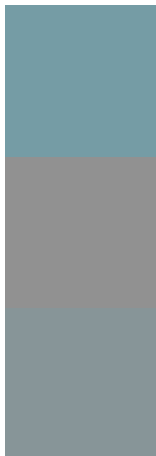
Deuteranomaly

29.9108, 0.2894, 0.3025

Tritanomaly

30.4185, 0.2693, 0.3110

Monochromacy



Original Color

30.2755, 0.2700, 0.3142

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.9128, 0.2960, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2755, 0.2700, 0.3142 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(117, 156, 165)` looks like.

```
.text, #text, p{  
    color:rgb(117, 156, 165)  
}
```

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(117, 156, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 156, 165) }
```

Border

The CSS property to change the border of an element to Yxy 30.2755, 0.2700, 0.3142 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(117, 156, 165) }
```

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

```
.border{ border-color:rgb(117, 156, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 156, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 156, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 156, 165);  
box-shadow:4px 4px 4px 4px rgb(117, 156,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2755, 0.2700, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 156, 165) }
```

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

```
.background{ background-color: rgb(117,  
156, 165) }
```

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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