

Converting Colors

$Y_{xy}(30.5425, 0.2656, 0.2814)$

Have a look what the booklet for
Yxy(30.5425, 0.2656, 0.2814)
contains.

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Color

Yxy(30.5425, 0.2656, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	8198B7
RGB	129, 152, 183
RGB Percent	51%, 60%, 72%
CMY	0.4941, 0.4039, 0.2824
CMYK	0.30, 0.17, 0.00, 0.28
HSL	214°, 27%, 61%
HSV	214°, 30%, 72%
XYZ	28.8276, 30.5425, 49.1676
YIQ	148.6570, -23.6590, 4.7650

Conversions

Conversions Part 2

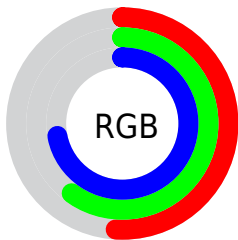
Format	Color
RYB	129, 145, 183
Decimal	8493239
CIELab	62.12, -0.78, -18.75
CIElCh	62, 18.767, 267.608
Yxy	30.5425, 0.2656, 0.2814
Android (android.graphics.Color)	4286683319 (0xFF8198B7)
YUV	148.6570, 16.9311, -17.2392
Hunter-Lab	55.2653, -3.6046, -14.0625

Details

The Yxy color **30.5425, 0.2656, 0.2814** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.7870, 0.3649, 0.3723**, and the grayscale version is **29.8390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4419, 0.2750, 0.2907**, and **12.5388, 0.2501, 0.2652** is the 20% darker color. If you saturate the color by 10%, you get **25.9771, 0.2488, 0.2620**, and if you desaturate by 10%, it is **35.6688, 0.2822, 0.2992**.

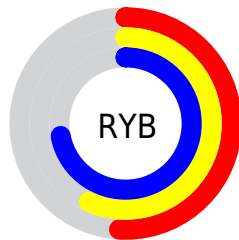
Distribution



Red (51%)

Green (60%)

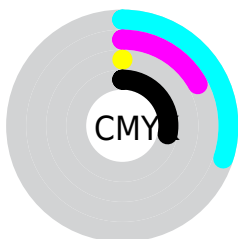
Blue (72%)



Red (51%)

Yellow (57%)

Blue (72%)

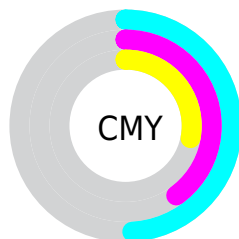


Cyan (30%)

Magenta (17%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (40%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5425, 0.2656, 0.2814 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 30.5425, 0.2656, 0.2814 by changing the saturation by 10% instead.

■ 30.5425, 0.2656,
0.2814

■ 30.5425, 0.2656,
0.2814

■ 304.4251, 0.2905,
0.3066

■ 20.2507, 0.2590,
0.2747

■ 60.5191, 0.2750,
0.2909

■ 12.5774, 0.2502,
0.2657

■ 80.9726, 0.2784,
0.2944

■ 7.1382, 0.2381,
0.2534

■ 105.5823, 0.2812,
0.2972

■ 3.5487, 0.2205,
0.2354

■ 134.7323, 0.2836,
0.2997

■ 1.4245, 0.1928,
0.2068

■ 168.8073, 0.2857,
0.3018

■ 0.2346, 0.0953,
0.1097

■ 208.1914, 0.2875,

■ 0.0000, 0.0000,

0.3036

0.0000

253.2692, 0.2891,
0.3052

■ 30.5425, 0.2656,
0.2814

■ 30.5425, 0.2656,
0.2814

■ 25.9771, 0.2488,
0.2620

■ 35.6688, 0.2822,
0.2992

■ 21.9475, 0.2321,
0.2412

■ 41.3725, 0.2982,
0.3153

■ 18.4318, 0.2162,
0.2195

■ 47.6740, 0.3135,
0.3297

■ 15.4049, 0.2016,
0.1973

■ 54.5914, 0.3278,
0.3424

■ 12.8390, 0.1890,
0.1754

■ 62.1419, 0.3411,
0.3537

■ 10.7026, 0.1788,
0.1544

■ 70.3422, 0.3534,
0.3636

■ 8.9432, 0.1710,
0.1351

■ 78.8089, 0.3632,
0.3724

■ 8.8626, 0.1706,
0.1342

■ 84.6803, 0.3604,
0.3825

■ 90.9073, 0.3577,
0.3922

Harmonies

Analogous

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



30.5425, 0.2562, 0.2952



30.5425, 0.2656, 0.2814



30.5425, 0.2874, 0.2801

Triad

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



30.5425, 0.2656, 0.2814



30.5425, 0.3674, 0.3345



30.5425, 0.3063, 0.3724

Complementary

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



30.5425, 0.2656, 0.2814



36.7870, 0.3649, 0.3723

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.



30.5425, 0.3364, 0.3829



30.5425, 0.2656, 0.2814



30.5425, 0.3726, 0.3589

Square

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



30.5425, 0.2656, 0.2814



30.5425, 0.3466, 0.3100



30.5425, 0.3610, 0.3771



30.5425, 0.2788, 0.3484

Rectangle

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



30.5425, 0.2656, 0.2814



30.5425, 0.3067, 0.2859



30.5425, 0.3610, 0.3771



30.5425, 0.3164, 0.3777

Sweetspot

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



30.5437, 0.2656, 0.2814



74.4894, 0.2988, 0.3158



41.0525, 0.2867, 0.3645



16.1087, 0.2965, 0.3136



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.5437, 0.2656, 0.2814



49.6243, 0.2554, 0.2698



24.0739, 0.2650, 0.2453



9.3317, 0.2985, 0.3155



6.3141, 0.1712, 0.1364



0.3459, 0.1856, 0.1882

Inverse Universe

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



28.0341, 0.3498, 0.2968



44.8868, 0.3603, 0.2899



45.0762, 0.3532, 0.4023



9.0740, 0.3223, 0.3193



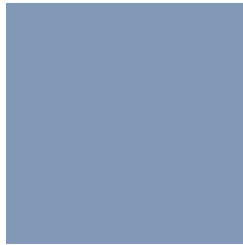
7.4197, 0.5239, 0.2660



0.2740, 0.4588, 0.2301

Previews

White Background



This preview shows how the Yxy color 30.5425, 0.2656, 0.2814 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 30.5425, 0.2656, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

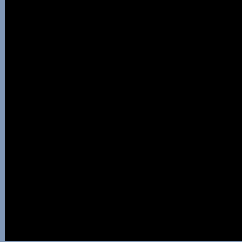
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

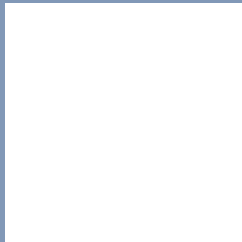
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.5425, 0.2656, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 30.5425, 0.2656, 0.2814.



This preview shows how white text looks on a background with the Yxy color 30.5425, 0.2656, 0.2814.

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

30.5425, 0.2656, 0.2814

Protanopia

30.3556, 0.2786, 0.2795

Deuteranopia

30.5312, 0.2797, 0.2744



Tritanopia

30.6683, 0.2757, 0.3098

Trichromacy



Original Color

30.5425, 0.2656, 0.2814

Protanomaly

30.2756, 0.2735, 0.2791

Deuteranomaly

30.5310, 0.2737, 0.2766

Tritanomaly

30.6404, 0.2718, 0.2990

Monochromacy



Original Color

30.5425, 0.2656, 0.2814

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.1367, 0.2948, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5425, 0.2656, 0.2814 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(129, 152, 183)` looks like.

```
.text, #text, p{  
    color:rgb(129, 152, 183)  
}
```

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(129, 152, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 152, 183) }
```

Border

The CSS property to change the border of an element to Yxy 30.5425, 0.2656, 0.2814 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(129, 152, 183) }
```

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

```
.border{ border-color:rgb(129, 152, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 152, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 152, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 152, 183);  
box-shadow:4px 4px 4px 4px rgb(129, 152,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5425, 0.2656, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 152, 183) }
```

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

```
.background{ background-color: rgb(129,  
152, 183) }
```

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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