

Converting Colors

$Y_{xy}(30.0519, 0.2370, 0.2821)$

Have a look what the booklet for
Yxy(30.0519, 0.2370, 0.2821)
contains.

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Color

Yxy(30.1654, 0.2366, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	599EBB
RGB	89, 158, 187
RGB Percent	35%, 62%, 73%
CMY	0.6513, 0.3803, 0.2667
CMYK	0.52, 0.15, 0.00, 0.27
HSL	198°, 42%, 54%
HSV	198°, 52%, 73%
XYZ	25.3090, 30.1654, 51.4951
YIQ	140.6750, -50.4330, -5.6090

Conversions

Conversions Part 2

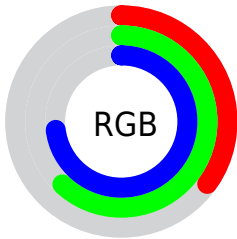
Format	Color
R _Y B	89, 129, 187
Decimal	5873339
CIE Lab	61.80, -13.66, -21.69
CIE LCh	62, 25.632, 237.805
Yxy	30.1654, 0.2366, 0.2820
Android (android.graphics.Color)	4284063419 (0xFF599EBB)
YUV	140.6750, 22.8382, -45.3190
Hunter-Lab	54.9230, -13.8611, -17.1434

Details

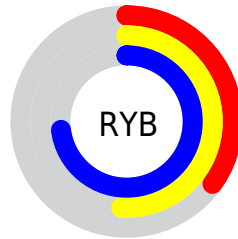
The Yxy color **30.1654, 0.2366, 0.2820** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.2138, 0.4386, 0.3693**, and the grayscale version is **26.4191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0793, 0.2515, 0.2925**, and **12.4562, 0.2131, 0.2657** is the 20% darker color. If you saturate the color by 10%, you get **27.5144, 0.2249, 0.2712**, and if you desaturate by 10%, it is **33.1382, 0.2497, 0.2924**.

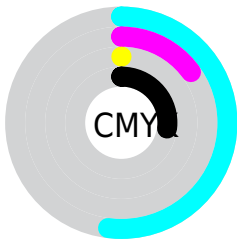
Distribution



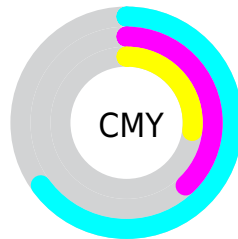
- Red (35%)
- Green (62%)
- Blue (73%)



- Red (35%)
- Yellow (51%)
- Blue (73%)



- Cyan (52%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)





- Cyan (65%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1654, 0.2366, 0.2820 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 30.1654, 0.2366, 0.2820 by changing the saturation by 10% instead.


 30.1654, 0.2366,
0.2820


 30.1654, 0.2366,
0.2820


 302.6747, 0.2762,
0.3077


 19.9642, 0.2263,
0.2749


 59.9237, 0.2513,
0.2918

 12.3690, 0.2130,
0.2654


 80.2495, 0.2567,
0.2954

 6.9955, 0.1950,
0.2520


 104.7189, 0.2613,
0.2983


 3.4593, 0.1696,
0.2321

 133.7164, 0.2651,
0.3008

 1.3760, 0.1323,
0.2001

 167.6263, 0.2685,
0.3029

 0.1989, 0.0000,
0.0923

 206.8331, 0.2714,

 0.0000, 0.0000,

0.3047

0.0000

251.7211, 0.2739,
0.3063

■ 30.1654, 0.2366,
0.2820

■ 30.1654, 0.2366,
0.2820

■ 27.5144, 0.2249,
0.2712

■ 33.1382, 0.2497,
0.2924

■ 25.1625, 0.2149,
0.2602

■ 36.4469, 0.2638,
0.3021

■ 23.0890, 0.2069,
0.2490

■ 40.1083, 0.2786,
0.3112

■ 21.2678, 0.2008,
0.2380

■ 44.1371, 0.2937,
0.3196

■ 20.0220, 0.1971,
0.2297

■ 48.5472, 0.3090,
0.3273

■ 53.3515, 0.3241,
0.3341

■ 58.5622, 0.3388,
0.3402

■ 64.1911, 0.3531,
0.3457

■ 69.8283, 0.3650,
0.3506

Harmonies

Analogous

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



30.1654, 0.2425, 0.3147



30.1654, 0.2366, 0.2820



30.1654, 0.2492, 0.2645

Triad

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



30.1654, 0.2366, 0.2820



30.1654, 0.3594, 0.3032



30.1654, 0.3441, 0.4037

Complementary

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



30.1654, 0.2366, 0.2820



24.2138, 0.4386, 0.3693

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.



30.1654, 0.3782, 0.3944



30.1654, 0.2366, 0.2820



30.1654, 0.3882, 0.3356

Square

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



30.1654, 0.2366, 0.2820



30.1654, 0.3183, 0.2775



30.1654, 0.3949, 0.3686



30.1654, 0.3030, 0.3896

Rectangle

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



30.1654, 0.2366, 0.2820



30.1654, 0.2669, 0.2620



30.1654, 0.3949, 0.3686



30.1654, 0.3568, 0.4030

Sweetspot

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



30.1665, 0.2366, 0.2820



76.2311, 0.2879, 0.3165



38.9328, 0.2884, 0.4478



16.4585, 0.2848, 0.3148



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.1665, 0.2366, 0.2820



48.5885, 0.2232, 0.2695



16.8948, 0.2201, 0.1991



10.3205, 0.2985, 0.3221



13.9274, 0.1975, 0.2310



0.6540, 0.2048, 0.2572

Inverse Universe

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



20.1635, 0.3554, 0.2371



30.2108, 0.3688, 0.2209



38.4610, 0.4018, 0.4307



9.6469, 0.3181, 0.3130



8.4357, 0.4116, 0.2041



0.3414, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 30.1654, 0.2366, 0.2820 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 30.1654, 0.2366, 0.2820 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 30.1654, 0.2366, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 30.1654, 0.2366, 0.2820.

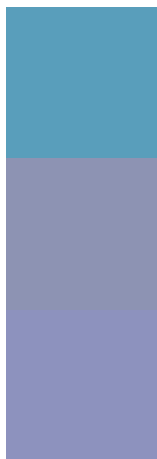


This preview shows how white text looks on a background with the Yxy color 30.1654, 0.2366, 0.2820.

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

30.1654, 0.2366, 0.2820

Protanopia

29.7848, 0.2784, 0.2805

Deuteranopia

29.9382, 0.2695, 0.2641



Tritanopia

30.0436, 0.2428, 0.3069

Trichromacy



Original Color

30.1654, 0.2366, 0.2820

Protanomaly

29.6482, 0.2605, 0.2805

Deuteranomaly

29.6244, 0.2553, 0.2690

Tritanomaly

29.9891, 0.2406, 0.2972

Monochromacy



Original Color

30.1654, 0.2366, 0.2820

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.4736, 0.2785, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1654, 0.2366, 0.2820 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(89, 158, 187)` looks like.

```
.text, #text, p{  
    color:rgb(89, 158, 187)  
}
```

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(89, 158, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 158, 187) }
```

Border

The CSS property to change the border of an element to Yxy 30.1654, 0.2366, 0.2820 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(89, 158, 187) }
```

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

```
.border{ border-color:rgb(89, 158, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 158, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 158, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 158, 187);  
box-shadow:4px 4px 4px 4px rgb(89, 158,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1654, 0.2366, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 158, 187) }
```

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

```
.background{ background-color: rgb(89, 158,  
187) }
```

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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