

Converting Colors

$Y_{xy}(32.9645, 0.2578, 0.2894)$

Have a look what the booklet for
Yxy(32.9645, 0.2578, 0.2894)
contains.

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Color

Yxy(33.0707, 0.2576, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	78A1BB
RGB	120, 161, 187
RGB Percent	47%, 63%, 73%
CMY	0.5292, 0.3687, 0.2666
CMYK	0.36, 0.14, 0.00, 0.27
HSL	203°, 33%, 60%
HSV	203°, 36%, 73%
XYZ	29.4674, 33.0707, 51.8539
YIQ	151.7050, -32.7820, -0.6060

Conversions

Conversions Part 2

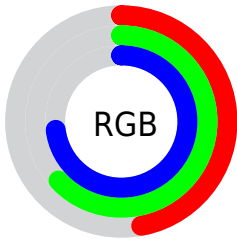
Format	Color
R_{YB}	120, 145, 187
Decimal	7905723
CIE _{Lab}	64.22, -7.36, -17.88
CIE _{LCh}	64, 19.334, 247.617
Yxy	33.0707, 0.2576, 0.2891
Android (android.graphics.Color)	4286095803 (0xFF78A1BB)
YUV	151.7050, 17.4004, -27.8053
Hunter-Lab	57.5071, -9.1719, -13.2065

Details

The Yxy color **33.0707, 0.2576, 0.2891** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **32.5089, 0.3843, 0.3655**, and the grayscale version is **31.2055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5815, 0.2682, 0.2977**, and **14.1020, 0.2405, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **29.3948, 0.2428, 0.2757**, and if you desaturate by 10%, it is **37.1581, 0.2729, 0.3016**.

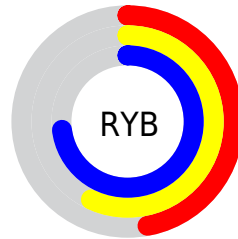
Distribution



Red (47%)

Green (63%)

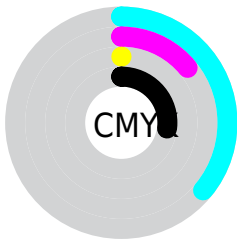
Blue (73%)



Red (47%)

Yellow (57%)

Blue (73%)

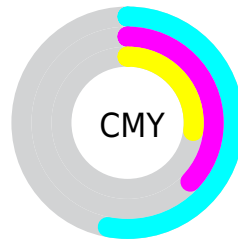


Cyan (36%)

Magenta (14%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (37%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0707, 0.2576, 0.2891 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 33.0707, 0.2576, 0.2891 by changing the saturation by 10% instead.

■ 33.0707, 0.2576,
0.2891

■ 33.0707, 0.2576,
0.2891

■ 315.9682, 0.2862,
0.3103

■ 22.1806, 0.2502,
0.2834

■ 64.4859, 0.2682,
0.2971

■ 13.9897, 0.2405,
0.2758

■ 85.7798, 0.2721,
0.3000

■ 8.1135, 0.2273,
0.2653

■ 111.3104, 0.2754,
0.3025

■ 4.1676, 0.2085,
0.2499

■ 141.4621, 0.2782,
0.3045

■ 1.7678, 0.1799,
0.2254

■ 176.6194, 0.2806,
0.3063

■ 0.4670, 0.0968,
0.1712

■ 217.1666, 0.2827,

■ 0.0000, 0.0000,

0.3078

0.0000

263.4880, 0.2845,
0.3092

■ 33.0707, 0.2576,
0.2891

■ 33.0707, 0.2576,
0.2891

■ 29.3948, 0.2428,
0.2757

■ 37.1581, 0.2729,
0.3016

■ 26.1088, 0.2290,
0.2615

■ 41.6696, 0.2885,
0.3130

■ 23.1946, 0.2165,
0.2468

■ 46.6218, 0.3039,
0.3234

■ 20.6306, 0.2057,
0.2319

■ 52.0294, 0.3190,
0.3328

■ 18.3921, 0.1970,
0.2169

■ 57.9060, 0.3336,
0.3411

■ 16.4487, 0.1903,
0.2023

■ 64.2647, 0.3475,
0.3485

■ 15.6960, 0.1879,
0.1962

■ 71.1182, 0.3607,
0.3550

■ 75.5886, 0.3620,
0.3620

■ 79.4685, 0.3601,
0.3692

Harmonies

Analogous

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



33.0707, 0.2575, 0.3104



33.0707, 0.2576, 0.2891



33.0707, 0.2715, 0.2794

Triad

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



33.0707, 0.2576, 0.2891



33.0707, 0.3551, 0.3178



33.0707, 0.3266, 0.3814

Complementary

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



33.0707, 0.2576, 0.2891



32.5089, 0.3843, 0.3655

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.



33.0707, 0.3540, 0.3809



33.0707, 0.2576, 0.2891



33.0707, 0.3712, 0.3430

Square

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



33.0707, 0.2576, 0.2891



33.0707, 0.3273, 0.2961



33.0707, 0.3707, 0.3661



33.0707, 0.2964, 0.3657

Rectangle

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



33.0707, 0.2576, 0.2891



33.0707, 0.2873, 0.2800



33.0707, 0.3707, 0.3661



33.0707, 0.3365, 0.3830

Sweetspot

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



33.0720, 0.2576, 0.2891



78.6166, 0.2956, 0.3180



41.6126, 0.2901, 0.3933



17.0496, 0.2935, 0.3166



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.



33.0720, 0.2576, 0.2891



53.9640, 0.2459, 0.2786



22.9901, 0.2503, 0.2356



10.1698, 0.2984, 0.3199



10.9559, 0.1883, 0.1980



0.5527, 0.1980, 0.2329

Inverse Universe

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



26.5867, 0.3458, 0.2732



41.3750, 0.3560, 0.2610



44.2477, 0.3691, 0.4077



9.6317, 0.3195, 0.3151



8.1357, 0.4476, 0.2239



0.3312, 0.4097, 0.2030

Previews

White Background



This preview shows how the Yxy color 33.0707, 0.2576, 0.2891 looks on a white background.

Color Contrast Check

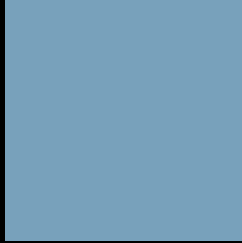
Large Text (above 18pt) WCAG AA × Fail

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 33.0707, 0.2576, 0.2891 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

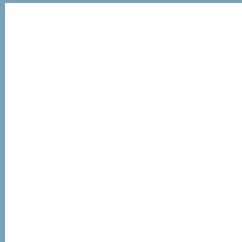
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0707, 0.2576, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 33.0707, 0.2576, 0.2891.



This preview shows how white text looks on a background with the Yxy color 33.0707, 0.2576, 0.2891.

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

33.0707, 0.2576, 0.2891

Protanopia

32.9726, 0.2846, 0.2881

Deuteranopia

32.9029, 0.2815, 0.2761



Tritanopia

33.1109, 0.2633, 0.3084

Trichromacy



Original Color

33.0707, 0.2576, 0.2891

Protanomaly

33.0636, 0.2739, 0.2888

Deuteranomaly

32.7362, 0.2723, 0.2804

Tritanomaly

32.9875, 0.2611, 0.3008

Monochromacy



Original Color

33.0707, 0.2576, 0.2891

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.7348, 0.2897, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0707, 0.2576, 0.2891 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(120, 161, 187)` looks like.

```
.text, #text, p{  
    color:rgb(120, 161, 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(120, 161, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 161, 187) }
```

Border

The CSS property to change the border of an element to Yxy 33.0707, 0.2576, 0.2891 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(120, 161, 187) }
```

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

```
.border{ border-color:rgb(120, 161, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 161, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 161, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 161, 187);  
box-shadow:4px 4px 4px 4px rgb(120, 161,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0707, 0.2576, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 161, 187) }
```

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

```
.background{ background-color: rgb(120,  
161, 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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