

Converting Colors

$Y_{xy}(33.8695, 0.2552, 0.2844)$

Have a look what the booklet for
Yxy(33.8695, 0.2552, 0.2844)
contains.

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Color

Yxy(33.7114, 0.2552, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	79A2C0
RGB	121, 162, 192
RGB Percent	47%, 64%, 75%
CMY	0.5254, 0.3647, 0.2470
CMYK	0.37, 0.16, 0.00, 0.25
HSL	205°, 36%, 61%
HSV	205°, 37%, 75%
XYZ	30.3248, 33.7114, 54.7914
YIQ	153.1610, -34.0660, 0.6380

Conversions

Conversions Part 2

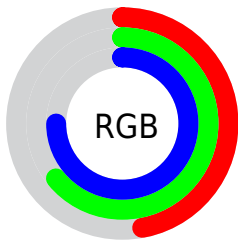
Format	Color
R_{YB}	121, 147, 192
Decimal	7971520
CIE _{Lab}	64.73, -6.33, -19.88
CIE _{LCh}	65, 20.868, 252.343
Yxy	33.7114, 0.2552, 0.2837
Android (android.graphics.Color)	4286161600 (0xFF79A2C0)
YUV	153.1610, 19.1476, -28.2052
Hunter-Lab	58.0615, -8.3793, -15.3077

Details

The Yxy color **33.7114, 0.2552, 0.2837** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.7434, 0.3863, 0.3700**, and the grayscale version is **31.8586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5170, 0.2662, 0.2934**, and **14.2520, 0.2381, 0.2689** is the 20% darker color. If you saturate the color by 10%, you get **29.6906, 0.2401, 0.2689**, and if you desaturate by 10%, it is **38.1959, 0.2708, 0.2975**.

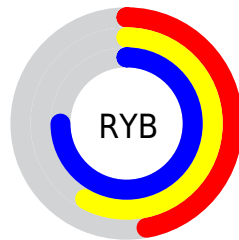
Distribution



Red (47%)

Green (64%)

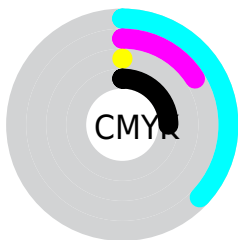
Blue (75%)



Red (47%)

Yellow (58%)

Blue (75%)

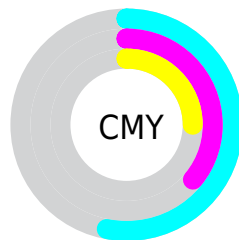


Cyan (37%)

Magenta (16%)

Yellow (0%)

Black (25%)



Cyan (53%)

Magenta (36%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7114, 0.2552, 0.2837 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 33.7114, 0.2552, 0.2837 by changing the saturation by 10% instead.

■ 33.7114, 0.2552,
0.2837

■ 33.7114, 0.2552,
0.2837

■ 318.8433, 0.2849,
0.3076

■ 22.6720, 0.2475,
0.2774

■ 65.4846, 0.2662,
0.2927

■ 14.3515, 0.2376,
0.2690

■ 86.9872, 0.2703,
0.2960

■ 8.3655, 0.2241,
0.2575

■ 112.7463, 0.2737,
0.2987

■ 4.3297, 0.2051,
0.2409

■ 143.1463, 0.2766,
0.3010

■ 1.8597, 0.1764,
0.2149

■ 178.5716, 0.2791,
0.3030

■ 0.5240, 0.1070,
0.1632

■ 219.4066, 0.2813,

■ 0.0000, 0.0000,

0.3048

0.0000

266.0357, 0.2832,
0.3063

■ 33.7114, 0.2552,
0.2837

■ 33.7114, 0.2552,
0.2837

■ 29.6906, 0.2401,
0.2689

■ 38.1959, 0.2708,
0.2975

■ 26.1095, 0.2259,
0.2533

■ 43.1585, 0.2865,
0.3102

■ 22.9477, 0.2131,
0.2371

■ 48.6179, 0.3021,
0.3217

■ 20.1810, 0.2021,
0.2206

■ 54.5904, 0.3172,
0.3320

■ 17.7816, 0.1931,
0.2044

■ 61.0914, 0.3318,
0.3412

■ 15.7127, 0.1863,
0.1885

■ 68.1357, 0.3457,
0.3494

■ 15.1321, 0.1844,
0.1838

■ 75.6525, 0.3584,
0.3565

■ 79.9909, 0.3565,
0.3646

■ 84.5388, 0.3546,
0.3724

Harmonies

Analogous

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



33.7114, 0.2527, 0.3046



33.7114, 0.2552, 0.2837



33.7114, 0.2722, 0.2756

Triad

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



33.7114, 0.2552, 0.2837



33.7114, 0.3620, 0.3210



33.7114, 0.3224, 0.3838

Complementary

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



33.7114, 0.2552, 0.2837



34.7434, 0.3863, 0.3700

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.



33.7114, 0.3528, 0.3859



33.7114, 0.2552, 0.2837



33.7114, 0.3767, 0.3480

Square

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



33.7114, 0.2552, 0.2837



33.7114, 0.3335, 0.2970



33.7114, 0.3731, 0.3719



33.7114, 0.2904, 0.3645

Rectangle

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



33.7114, 0.2552, 0.2837



33.7114, 0.2901, 0.2776



33.7114, 0.3731, 0.3719



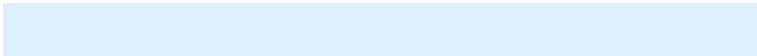
33.7114, 0.3331, 0.3865

Sweetspot

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



33.7127, 0.2552, 0.2837



83.7983, 0.2956, 0.3170



43.9989, 0.2879, 0.3921



17.6875, 0.2935, 0.3154



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



33.7127, 0.2552, 0.2837



55.3626, 0.2435, 0.2723



23.0389, 0.2473, 0.2280



10.6914, 0.2984, 0.3190



10.3364, 0.1850, 0.1858



0.5807, 0.1947, 0.2210

Inverse Universe

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



27.5002, 0.3502, 0.2743



43.3757, 0.3613, 0.2630



47.7543, 0.3701, 0.4131



10.1731, 0.3201, 0.3158



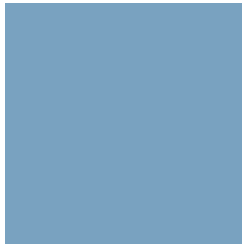
8.3257, 0.4617, 0.2317



0.3733, 0.4221, 0.2099

Previews

White Background



This preview shows how the Yxy color 33.7114, 0.2552, 0.2837 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 33.7114, 0.2552, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

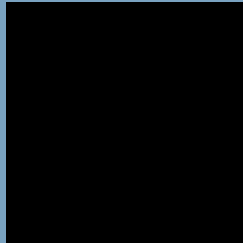
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

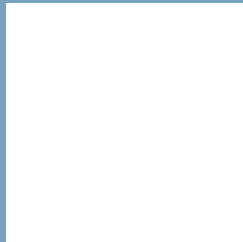
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7114, 0.2552, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 33.7114, 0.2552, 0.2837.



This preview shows how white text looks on a background with the Yxy color 33.7114, 0.2552, 0.2837.

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

33.7114, 0.2552, 0.2837

Protanopia

33.5146, 0.2807, 0.2828

Deuteranopia

33.4498, 0.2777, 0.2711



Tritanopia

33.5472, 0.2621, 0.3070

Trichromacy



Original Color

33.7114, 0.2552, 0.2837

Protanomaly

33.6168, 0.2703, 0.2834

Deuteranomaly

33.2899, 0.2687, 0.2752

Tritanomaly

33.4648, 0.2593, 0.2980

Monochromacy



Original Color

33.7114, 0.2552, 0.2837

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.2297, 0.2890, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7114, 0.2552, 0.2837 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(121, 162, 192)` looks like.

```
.text, #text, p{  
    color:rgb(121, 162, 192)  
}
```

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(121, 162, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 162, 192) }
```

Border

The CSS property to change the border of an element to Yxy 33.7114, 0.2552, 0.2837 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(121, 162, 192) }
```

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

```
.border{ border-color:rgb(121, 162, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 162, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 162, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 162, 192);  
box-shadow:4px 4px 4px 4px rgb(121, 162,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7114, 0.2552, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 162, 192) }
```

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

```
.background{ background-color: rgb(121,  
162, 192) }
```

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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