

Converting Colors

$Y_{xy}(33.8891, 0.2593, 0.2950)$

Have a look what the booklet for
Yxy(33.8891, 0.2593, 0.2950)
contains.

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Color

Yxy(33.7326, 0.2587, 0.2937)

Conversions

Conversions Part 1

Format	Color
Hex	78A3BA
RGB	120, 163, 186
RGB Percent	47%, 64%, 73%
CMY	0.5292, 0.3608, 0.2705
CMYK	0.35, 0.12, 0.00, 0.27
HSL	201°, 32%, 60%
HSV	201°, 35%, 73%
XYZ	29.7127, 33.7326, 51.4086
YIQ	152.7650, -33.0110, -1.9630

Conversions

Conversions Part 2

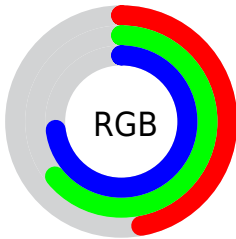
Format	Color
R_{YB}	120, 146, 186
Decimal	7906234
CIE _{Lab}	64.75, -8.72, -16.51
CIE _{LCh}	65, 18.672, 242.170
Yxy	33.7326, 0.2587, 0.2937
Android (android.graphics.Color)	4286096314 (0xFF78A3BA)
YUV	152.7650, 16.3849, -28.7349
Hunter-Lab	58.0798, -10.3218, -11.8240

Details

The Yxy color **33.7326, 0.2587, 0.2937** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.4687, 0.3846, 0.3615**, and the grayscale version is **31.6915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5523, 0.2690, 0.3011**, and **14.2913, 0.2417, 0.2808** is the 20% darker color. If you saturate the color by 10%, you get **30.2828, 0.2443, 0.2818**, and if you desaturate by 10%, it is **37.5619, 0.2737, 0.3048**.

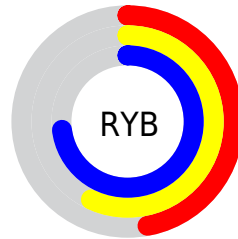
Distribution



Red (47%)

Green (64%)

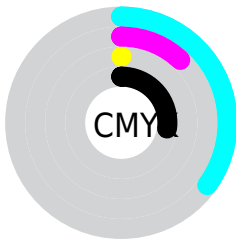
Blue (73%)



Red (47%)

Yellow (57%)

Blue (73%)

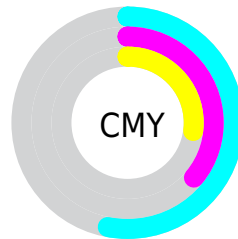


Cyan (35%)

Magenta (12%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (36%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7326, 0.2587, 0.2937 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 33.7326, 0.2587, 0.2937 by changing the saturation by 10% instead.

■ 33.7326, 0.2587,
0.2937

■ 33.7326, 0.2587,
0.2937

■ 318.9381, 0.2866,
0.3125

■ 22.6883, 0.2515,
0.2886

■ 65.5176, 0.2691,
0.3008

■ 14.3635, 0.2420,
0.2819

■ 87.0271, 0.2729,
0.3034

■ 8.3739, 0.2292,
0.2725

■ 112.7937, 0.2761,
0.3056

■ 4.3351, 0.2110,
0.2586

■ 143.2019, 0.2788,
0.3074

■ 1.8627, 0.1832,
0.2364

■ 178.6360, 0.2812,
0.3090

■ 0.5258, 0.1040,
0.1906

■ 219.4805, 0.2832,

■ 0.0000, 0.0000,

0.3103

0.0000

266.1197, 0.2850,
0.3115

■ 33.7326, 0.2587,
0.2937

■ 33.7326, 0.2587,
0.2937

■ 30.2828, 0.2443,
0.2818

■ 37.5619, 0.2737,
0.3048

■ 27.1917, 0.2309,
0.2692

■ 41.7822, 0.2891,
0.3150

■ 24.4423, 0.2190,
0.2562

■ 46.4094, 0.3044,
0.3243

■ 22.0141, 0.2087,
0.2428

■ 51.4572, 0.3195,
0.3327

■ 19.8837, 0.2005,
0.2295

■ 56.9384, 0.3342,
0.3402

■ 18.0224, 0.1943,
0.2164

■ 62.8653, 0.3483,
0.3468

■ 17.2397, 0.1918,
0.2105

■ 69.2499, 0.3618,
0.3526

■ 73.3771, 0.3638,
0.3589

■ 76.7491, 0.3621,
0.3653

Harmonies

Analogous

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



33.7326, 0.2612, 0.3159



33.7326, 0.2587, 0.2937



33.7326, 0.2698, 0.2822

Triad

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



33.7326, 0.2587, 0.2937



33.7326, 0.3491, 0.3141



33.7326, 0.3313, 0.3803

Complementary

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



33.7326, 0.2587, 0.2937



31.4687, 0.3846, 0.3615

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.



33.7326, 0.3562, 0.3771



33.7326, 0.2587, 0.2937



33.7326, 0.3671, 0.3381

Square

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



33.7326, 0.2587, 0.2937



33.7326, 0.3214, 0.2942



33.7326, 0.3697, 0.3611



33.7326, 0.3022, 0.3679

Rectangle

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



33.7326, 0.2587, 0.2937



33.7326, 0.2838, 0.2812



33.7326, 0.3697, 0.3611



33.7326, 0.3405, 0.3809

Sweetspot

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



33.7339, 0.2587, 0.2937



79.2123, 0.2957, 0.3191



41.0766, 0.2926, 0.3979



17.1957, 0.2936, 0.3178



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.



33.7339, 0.2587, 0.2937



55.9234, 0.2468, 0.2839



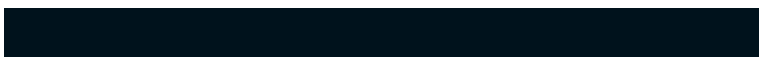
23.7889, 0.2517, 0.2420



9.6685, 0.2985, 0.3208



11.7405, 0.1923, 0.2122



0.5251, 0.2016, 0.2458

Inverse Universe

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



26.5317, 0.3423, 0.2704



41.5728, 0.3518, 0.2569



42.4680, 0.3699, 0.4030



9.1080, 0.3189, 0.3142



7.9675, 0.4317, 0.2152



0.2921, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 33.7326, 0.2587, 0.2937 looks on a white background.

Color Contrast Check

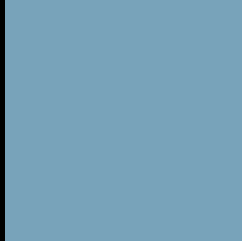
Large Text (above 18pt) WCAG AA × Fail

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 33.7326, 0.2587, 0.2937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

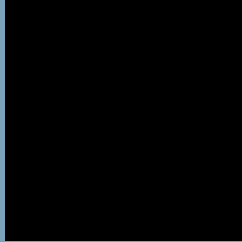
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

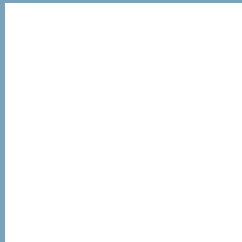
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7326, 0.2587, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 33.7326, 0.2587, 0.2937.



This preview shows how white text looks on a background with the Yxy color 33.7326, 0.2587, 0.2937.

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

33.7326, 0.2587, 0.2937

Protanopia

33.4543, 0.2873, 0.2912

Deuteranopia

33.4812, 0.2851, 0.2792



Tritanopia

33.6168, 0.2629, 0.3070

Trichromacy



Original Color

33.7326, 0.2587, 0.2937

Protanomaly

33.4481, 0.2756, 0.2918

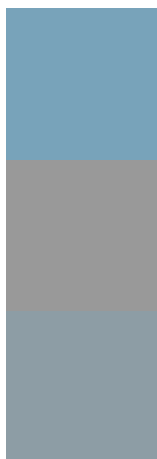
Deuteranomaly

33.5414, 0.2749, 0.2850

Tritanomaly

33.8091, 0.2615, 0.3026

Monochromacy



Original Color

33.7326, 0.2587, 0.2937

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4933, 0.2907, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7326, 0.2587, 0.2937 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, 163, 186)` looks like.

```
.text, #text, p{  
    color:rgb(120, 163, 186)  
}
```

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, 163, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 163, 186) }
```

Border

The CSS property to change the border of an element to Yxy 33.7326, 0.2587, 0.2937 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, 163, 186) }
```

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

```
.border{ border-color:rgb(120, 163, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 163, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 163, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 163, 186);  
box-shadow:4px 4px 4px 4px rgb(120, 163,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7326, 0.2587, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 163, 186) }
```

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

```
.background{ background-color: rgb(120,  
163, 186) }
```

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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