

Converting Colors

$Y_{xy}(32.8370, 0.2545, 0.2953)$

Have a look what the booklet for
Yxy(32.8370, 0.2545, 0.2953)
contains.

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Color

Yxy(32.7461, 0.2541, 0.2945)

Conversions

Conversions Part 1

Format	Color
Hex	70A2B8
RGB	112, 162, 184
RGB Percent	44%, 64%, 72%
CMY	0.5609, 0.3647, 0.2783
CMYK	0.39, 0.12, 0.00, 0.28
HSL	198°, 34%, 58%
HSV	198°, 39%, 72%
XYZ	28.2539, 32.7461, 50.1922
YIQ	149.5580, -36.8620, -3.7580

Conversions

Conversions Part 2

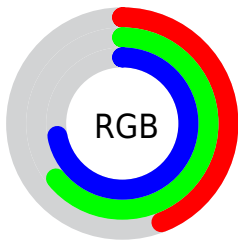
Format	Color
R _Y B	112, 142, 184
Decimal	7381688
CIE Lab	63.95, -10.94, -16.64
CIE LCh	64, 19.917, 236.691
Yxy	32.7461, 0.2541, 0.2945
Android (android.graphics.Color)	4285571768 (0xFF70A2B8)
YUV	149.5580, 16.9799, -32.9384
Hunter-Lab	57.2242, -12.0096, -11.9471

Details

The Yxy color **32.7461, 0.2541, 0.2945** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4131, 0.3962, 0.3606**, and the grayscale version is **30.2402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0240, 0.2653, 0.3018**, and **13.7204, 0.2356, 0.2817** is the 20% darker color. If you saturate the color by 10%, you get **29.7237, 0.2406, 0.2840**, and if you desaturate by 10%, it is **36.1064, 0.2686, 0.3044**.

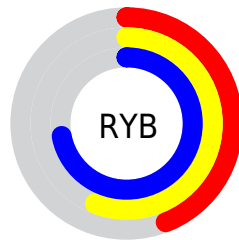
Distribution



Red (44%)

Green (64%)

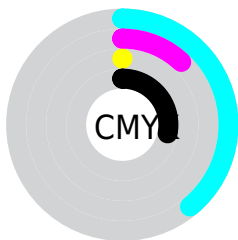
Blue (72%)



Red (44%)

Yellow (56%)

Blue (72%)

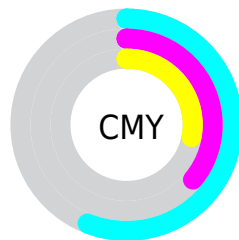


Cyan (39%)

Magenta (12%)

Yellow (0%)

Black (28%)



Cyan (56%)

Magenta (36%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7461, 0.2541, 0.2945 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 32.7461, 0.2541, 0.2945 by changing the saturation by 10% instead.

■ 32.7461, 0.2541,
0.2945

■ 32.7461, 0.2541,
0.2945

■ 314.5041, 0.2845,
0.3131

■ 21.9320, 0.2462,
0.2894

■ 63.9789, 0.2654,
0.3016

■ 13.8070, 0.2359,
0.2826

■ 85.1665, 0.2695,
0.3042

■ 7.9865, 0.2219,
0.2730

■ 110.5806, 0.2730,
0.3063

■ 4.0863, 0.2020,
0.2587

■ 140.6057, 0.2760,
0.3081

■ 1.7220, 0.1716,
0.2355

■ 175.6262, 0.2786,
0.3096

■ 0.4378, 0.0622,
0.1826

■ 216.0265, 0.2808,

■ 0.0000, 0.0000,

0.3109

0.0000

262.1910, 0.2828,
0.3121

■ 32.7461, 0.2541,
0.2945

■ 32.7461, 0.2541,
0.2945

■ 29.7237, 0.2406,
0.2840

■ 36.1064, 0.2686,
0.3044

■ 27.0191, 0.2282,
0.2729

■ 39.8157, 0.2836,
0.3136

■ 24.6156, 0.2175,
0.2615

■ 43.8892, 0.2988,
0.3220

■ 22.4929, 0.2086,
0.2500

■ 48.3400, 0.3140,
0.3296

■ 20.6274, 0.2017,
0.2385

■ 53.1804, 0.3290,
0.3365

■ 18.9771, 0.1966,
0.2271

■ 58.4221, 0.3435,
0.3425

■ 18.8422, 0.1962,
0.2261

■ 64.0763, 0.3575,
0.3479

■ 69.3484, 0.3675,
0.3529

■ 72.1228, 0.3659,
0.3586

Harmonies

Analogous

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



32.7461, 0.2594, 0.3199



32.7461, 0.2541, 0.2945



32.7461, 0.2634, 0.2799

Triad

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



32.7461, 0.2541, 0.2945



32.7461, 0.3470, 0.3086



32.7461, 0.3381, 0.3850

Complementary

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



32.7461, 0.2541, 0.2945



28.4131, 0.3962, 0.3606

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.



32.7461, 0.3633, 0.3784



32.7461, 0.2541, 0.2945



32.7461, 0.3690, 0.3338

Square

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



32.7461, 0.2541, 0.2945



32.7461, 0.3161, 0.2887



32.7461, 0.3750, 0.3592



32.7461, 0.3070, 0.3747

Rectangle

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



32.7461, 0.2541, 0.2945



32.7461, 0.2770, 0.2774



32.7461, 0.3750, 0.3592



32.7461, 0.3476, 0.3846

Sweetspot

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



32.7474, 0.2541, 0.2945



77.2134, 0.2941, 0.3195



39.4447, 0.2925, 0.4105



16.4382, 0.2922, 0.3184



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.



32.7474, 0.2541, 0.2945



54.5786, 0.2423, 0.2854



21.9264, 0.2452, 0.2354



9.7348, 0.2985, 0.3219



13.1115, 0.1965, 0.2275



0.5661, 0.2047, 0.2568

Inverse Universe

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



24.3861, 0.3425, 0.2603



38.0828, 0.3516, 0.2457



39.9685, 0.3773, 0.4076



9.1147, 0.3183, 0.3133



8.1060, 0.4152, 0.2061



0.2962, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 32.7461, 0.2541, 0.2945 looks on a white background.

Color Contrast Check

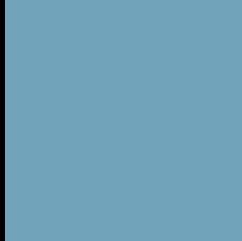
Large Text (above 18pt) WCAG AA × Fail

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 32.7461, 0.2541, 0.2945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

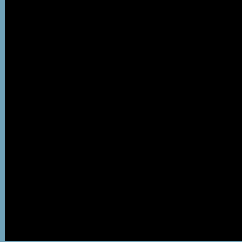
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

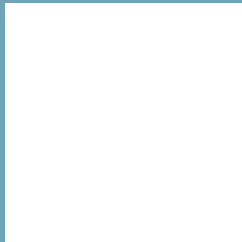
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7461, 0.2541, 0.2945

Background



This preview shows how black text looks on a background with the Yxy color 32.7461, 0.2541, 0.2945.



This preview shows how white text looks on a background with the Yxy color 32.7461, 0.2541, 0.2945.

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

32.7461, 0.2541, 0.2945

Protanopia

32.4808, 0.2878, 0.2921

Deuteranopia

32.5484, 0.2848, 0.2787



Tritanopia

32.6440, 0.2583, 0.3081

Trichromacy



Original Color

32.7461, 0.2541, 0.2945

Protanomaly

32.3065, 0.2743, 0.2926

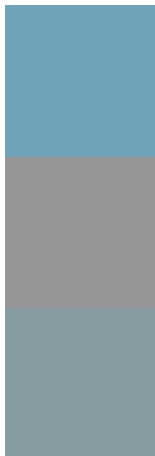
Deuteranomaly

32.4344, 0.2728, 0.2843

Tritanomaly

32.8286, 0.2570, 0.3036

Monochromacy



Original Color

32.7461, 0.2541, 0.2945

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.9541, 0.2885, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7461, 0.2541, 0.2945 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(112, 162, 184)` looks like.

```
.text, #text, p{  
    color:rgb(112, 162, 184)  
}
```

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(112, 162, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 162, 184) }
```

Border

The CSS property to change the border of an element to Yxy 32.7461, 0.2541, 0.2945 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(112, 162, 184) }
```

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

```
.border{ border-color:rgb(112, 162, 184) }
```

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

Here you see how a box with a 4 pixel rgb(112, 162, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 162, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 162, 184);  
box-shadow:4px 4px 4px 4px rgb(112, 162,  
184) }
```


Background

The CSS property to change the background color of an element to `rgb(32.7461, 0.2541, 0.2945)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 162, 184) }
```

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

```
.background{ background-color: rgb(112,  
162, 184) }
```

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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