

Converting Colors

$Y_{xy}(32.0945, 0.2709, 0.3208)$

Have a look what the booklet for
Yxy(32.0945, 0.2709, 0.3208)
contains.

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Color

Yxy(32.0945, 0.2709, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	76A1A6
RGB	118, 161, 166
RGB Percent	46%, 63%, 65%
CMY	0.5372, 0.3686, 0.3490
CMYK	0.29, 0.03, 0.00, 0.35
HSL	186°, 21%, 56%
HSV	186°, 29%, 65%
XYZ	27.1022, 32.0945, 40.8485
YIQ	148.7130, -27.2330, -7.5610

Conversions

Conversions Part 2

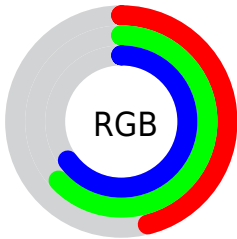
Format	Color
RYB	118, 141, 166
Decimal	7774630
CIELab	63.42, -13.23, -7.31
CIElCh	63, 15.119, 208.925
Yxy	32.0945, 0.2709, 0.3208
Android (android.graphics.Color)	4285964710 (0xFF76A1A6)
YUV	148.7130, 8.5225, -26.9353
Hunter-Lab	56.6520, -13.7469, -3.0942

Details

The Yxy color **32.0945, 0.2709, 0.3208** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.5931, 0.3726, 0.3370**, and the grayscale version is **29.9031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9901, 0.2789, 0.3229**, and **13.3455, 0.2571, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **30.4315, 0.2582, 0.3176**, and if you desaturate by 10%, it is **33.9731, 0.2847, 0.3238**.

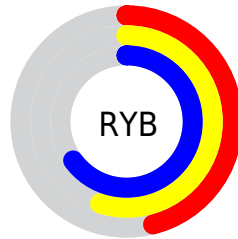
Distribution



Red (46%)

Green (63%)

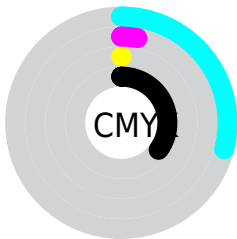
Blue (65%)



Red (46%)

Yellow (55%)

Blue (65%)

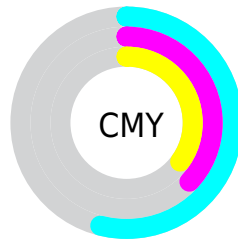


Cyan (29%)

Magenta (3%)

Yellow (0%)

Black (35%)



Cyan (54%)

Magenta (37%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0945, 0.2709, 0.3208 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 32.0945, 0.2709, 0.3208 by changing the saturation by 10% instead.

■ 32.0945, 0.2709,
0.3208

■ 32.0945, 0.2709,
0.3208

■ 311.5495, 0.2928,
0.3255

■ 21.4337, 0.2651,
0.3194

■ 62.9592, 0.2791,
0.3227

■ 13.4414, 0.2574,
0.3175

■ 83.9319, 0.2821,
0.3233

■ 7.7332, 0.2467,
0.3147

■ 109.1107, 0.2847,
0.3238

■ 3.9247, 0.2311,
0.3101

■ 138.8799, 0.2868,
0.3243

■ 1.6315, 0.2061,
0.3018

■ 173.6240, 0.2886,
0.3246

■ 0.3787, 0.0276,
0.2828

■ 213.7274, 0.2902,

■ 0.0000, 0.0000,

0.3250

0.0000

259.5744, 0.2916,
0.3252

■ 32.0945, 0.2709,
0.3208

■ 32.0945, 0.2709,
0.3208

■ 30.4315, 0.2582,
0.3176

■ 33.9731, 0.2847,
0.3238

■ 28.9693, 0.2468,
0.3142

■ 36.0734, 0.2993,
0.3267

■ 27.6977, 0.2371,
0.3107

■ 38.4060, 0.3144,
0.3293

■ 26.6036, 0.2291,
0.3071

■ 40.9796, 0.3297,
0.3316

■ 25.6723, 0.2230,
0.3035

■ 43.8026, 0.3451,
0.3337

■ 24.8867, 0.2187,
0.3000

■ 46.8828, 0.3603,
0.3356

■ 24.2133, 0.2159,
0.2965

■ 50.2279, 0.3751,
0.3373

■ 24.1416, 0.2156,
0.2961

■ 53.8450, 0.3895,
0.3387

■ 55.3054, 0.3925,
0.3404

Harmonies

Analogous

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



32.0945, 0.2850, 0.3434



32.0945, 0.2709, 0.3208



32.0945, 0.2676, 0.3017

Triad

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



32.0945, 0.2709, 0.3208



32.0945, 0.3173, 0.2987



32.0945, 0.3504, 0.3677

Complementary

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



32.0945, 0.2709, 0.3208



23.5931, 0.3726, 0.3370

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.



32.0945, 0.3600, 0.3540



32.0945, 0.2709, 0.3208



32.0945, 0.3405, 0.3147

Square

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



32.0945, 0.2709, 0.3208



32.0945, 0.2936, 0.2900



32.0945, 0.3564, 0.3346



32.0945, 0.3307, 0.3713

Rectangle

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



32.0945, 0.2709, 0.3208



32.0945, 0.2718, 0.2933



32.0945, 0.3564, 0.3346



32.0945, 0.3549, 0.3641

Sweetspot

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



32.0958, 0.2709, 0.3208



65.3537, 0.2989, 0.3266



32.5561, 0.3050, 0.4024



14.4995, 0.2968, 0.3262



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.0958, 0.2709, 0.3208



56.1628, 0.2622, 0.3186



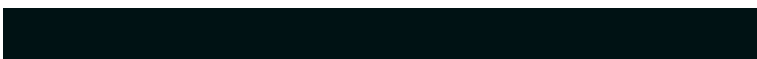
24.5610, 0.2667, 0.2807



8.3961, 0.2987, 0.3266



18.7576, 0.2157, 0.2964



0.4933, 0.2189, 0.3081

Inverse Universe

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



23.6444, 0.3216, 0.2655



38.3246, 0.3241, 0.2507



30.2278, 0.3627, 0.3729



7.6529, 0.3153, 0.3090



7.9646, 0.3486, 0.1694



0.1975, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 32.0945, 0.2709, 0.3208 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 32.0945, 0.2709, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

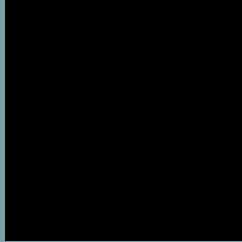
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0945, 0.2709, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 32.0945, 0.2709, 0.3208.

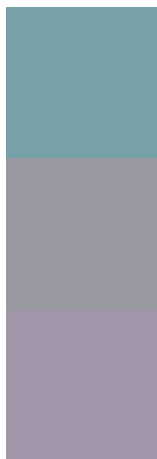


This preview shows how white text looks on a background with the Yxy color 32.0945, 0.2709, 0.3208.

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

32.0945, 0.2709, 0.3208

Protanopia

31.8997, 0.3064, 0.3154

Deuteranopia

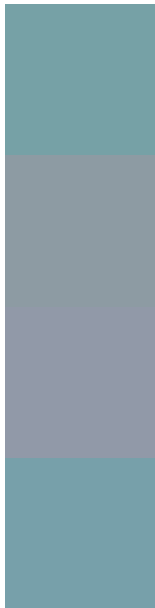
31.9365, 0.3061, 0.2998



Tritanopia

32.1518, 0.2671, 0.3083

Trichromacy



Original Color

32.0945, 0.2709, 0.3208

Protanomaly

31.7498, 0.2923, 0.3165

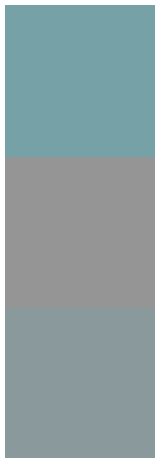
Deuteranomaly

31.6294, 0.2917, 0.3061

Tritanomaly

31.9658, 0.2686, 0.3129

Monochromacy



Original Color

32.0945, 0.2709, 0.3208

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.5523, 0.2963, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0945, 0.2709, 0.3208 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(118, 161, 166)` looks like.

```
.text, #text, p{  
    color:rgb(118, 161, 166)  
}
```

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(118, 161, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 161, 166) }
```

Border

The CSS property to change the border of an element to Yxy 32.0945, 0.2709, 0.3208 is called "border". The border property can be set on classes, ids or directly on the HTML element.

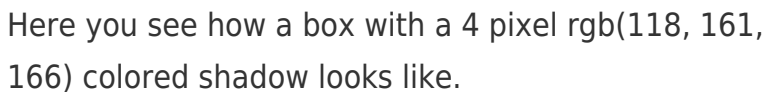
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 161, 166) }
```

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

```
.border{ border-color:rgb(118, 161, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 161, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 161, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 161, 166); box-shadow:4px 4px 4px 4px rgb(118, 161, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0945, 0.2709, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 161, 166) }
```

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

```
.background{ background-color: rgb(118,  
161, 166) }
```

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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