

Converting Colors

$Y_{xy}(35.0991, 0.2724, 0.3257)$

Have a look what the booklet for
Yxy(35.0991, 0.2724, 0.3257)
contains.

Yxy(35.0451, 0.2722, 0.3258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.0451, 0.2722, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	7AA8AA
RGB	122, 168, 170
RGB Percent	48%, 66%, 67%
CMY	0.5217, 0.3411, 0.3334
CMYK	0.28, 0.01, 0.00, 0.33
HSL	182°, 22%, 57%
HSV	182°, 28%, 67%
XYZ	29.2795, 35.0451, 43.2417
YIQ	154.4740, -28.0580, -9.1300

Conversions

Conversions Part 2

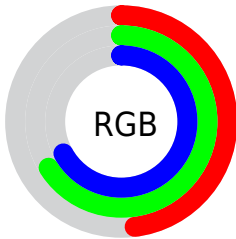
Format	Color
RYB	122, 145, 170
Decimal	8038570
CIELab	65.78, -14.83, -6.00
CIELCh	66, 16.000, 202.035
Yxy	35.0451, 0.2722, 0.3258
Android (android.graphics.Color)	4286228650 (0xFF7AA8AA)
YUV	154.4740, 7.6543, -28.4797
Hunter-Lab	59.1989, -15.3127, -1.8690

Details

The Yxy color **35.0451, 0.2722, 0.3258** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.3488, 0.3722, 0.3322**, and the grayscale version is **32.5066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4417, 0.2803, 0.3266**, and **15.1384, 0.2595, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **33.6558, 0.2599, 0.3245**, and if you desaturate by 10%, it is **36.6556, 0.2857, 0.3270**.

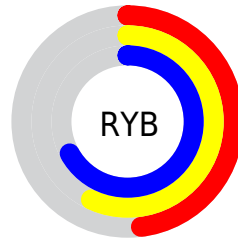
Distribution



Red (48%)

Green (66%)

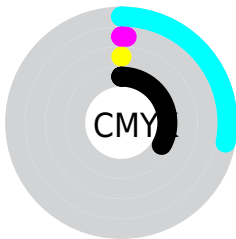
Blue (67%)



Red (48%)

Yellow (57%)

Blue (67%)

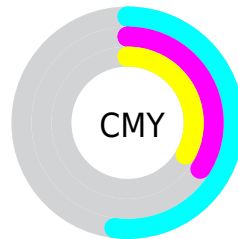


Cyan (28%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (52%)


Magenta (34%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0451, 0.2722, 0.3258 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 35.0451, 0.2722, 0.3258 by changing the saturation by 10% instead.


 35.0451, 0.2722,
0.3258


 35.0451, 0.2722,
0.3258


324.7674, 0.2932,
0.3278

 23.6976, 0.2667,
0.3252


 67.5556, 0.2800,
0.3266

 15.1095, 0.2595,
0.3243


 89.4875, 0.2829,
0.3269

 8.8962, 0.2497,
0.3229


 115.7162, 0.2853,
0.3271

 4.6736, 0.2355,
0.3206

146.6263, 0.2873,
0.3273

 2.0570, 0.2132,
0.3163

182.6020, 0.2891,
0.3274

 0.6403, 0.1225,
0.3183

224.0278, 0.2906,

 0.0000, 0.0000,

0.3276

0.0000

271.2882, 0.2920,
0.3277

■ 35.0451, 0.2722,
0.3258

■ 35.0451, 0.2722,
0.3258

■ 33.6558, 0.2599,
0.3245

■ 36.6556, 0.2857,
0.3270

■ 32.4722, 0.2491,
0.3232

■ 38.4936, 0.3002,
0.3281

■ 31.4833, 0.2400,
0.3219

■ 40.5703, 0.3154,
0.3292

■ 30.6755, 0.2327,
0.3205

■ 42.8949, 0.3310,
0.3301

■ 30.0334, 0.2272,
0.3191

■ 45.4761, 0.3467,
0.3310

■ 29.5390, 0.2236,
0.3178

■ 48.3223, 0.3623,
0.3317

■ 29.1611, 0.2215,
0.3165

■ 51.4414, 0.3776,
0.3324

■ 29.0983, 0.2212,
0.3162

■ 54.2760, 0.3899,
0.3330

■ 54.5454, 0.3897,
0.3338

Harmonies

Analogous

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



35.0451, 0.2889, 0.3489



35.0451, 0.2722, 0.3258



35.0451, 0.2661, 0.3048

Triad

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



35.0451, 0.2722, 0.3258



35.0451, 0.3116, 0.2950



35.0451, 0.3548, 0.3663

Complementary

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



35.0451, 0.2722, 0.3258



24.3488, 0.3722, 0.3322

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.



35.0451, 0.3617, 0.3503



35.0451, 0.2722, 0.3258



35.0451, 0.3362, 0.3100

Square

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



35.0451, 0.2722, 0.3258



35.0451, 0.2882, 0.2882



35.0451, 0.3548, 0.3299



35.0451, 0.3365, 0.3727

Rectangle

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



35.0451, 0.2722, 0.3258



35.0451, 0.2686, 0.2948



35.0451, 0.3548, 0.3299



35.0451, 0.3585, 0.3618

Sweetspot

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



35.0465, 0.2722, 0.3258



69.8949, 0.3004, 0.3281



34.3224, 0.3077, 0.4061



15.4708, 0.2982, 0.3280



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



35.0465, 0.2722, 0.3258



61.9508, 0.2642, 0.3250



27.0975, 0.2683, 0.2873



8.4785, 0.2987, 0.3280



21.4307, 0.2212, 0.3164



0.5370, 0.2224, 0.3208

Inverse Universe

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



25.2834, 0.3181, 0.2628



41.2953, 0.3194, 0.2480



30.9956, 0.3628, 0.3674



7.6612, 0.3144, 0.3076



8.2345, 0.3313, 0.1599



0.2019, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 35.0451, 0.2722, 0.3258 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 35.0451, 0.2722, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

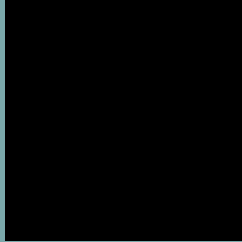
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

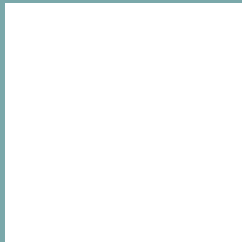
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.0451, 0.2722, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 35.0451, 0.2722, 0.3258.



This preview shows how white text looks on a background with the Yxy color 35.0451, 0.2722, 0.3258.

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

35.0451, 0.2722, 0.3258

Protanopia

34.7111, 0.3102, 0.3203

Deuteranopia

34.8948, 0.3100, 0.3037



Tritanopia

34.8528, 0.2663, 0.3075

Trichromacy



Original Color

35.0451, 0.2722, 0.3258

Protanomaly

34.7969, 0.2955, 0.3229

Deuteranomaly

34.7956, 0.2949, 0.3113

Tritanomaly

34.9830, 0.2685, 0.3150

Monochromacy



Original Color

35.0451, 0.2722, 0.3258

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.0851, 0.2959, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0451, 0.2722, 0.3258 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(122, 168, 170)` looks like.

```
.text, #text, p{  
    color:rgb(122, 168, 170)  
}
```

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(122, 168, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 168, 170) }
```

Border

The CSS property to change the border of an element to Yxy 35.0451, 0.2722, 0.3258 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(122, 168, 170) }
```

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

```
.border{ border-color:rgb(122, 168, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 168, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 168, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 168, 170); box-shadow:4px 4px 4px 4px rgb(122, 168, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0451, 0.2722, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 168, 170) }
```

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

```
.background{ background-color: rgb(122,  
168, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor