

Converting Colors

$Y_{xy}(29.0557, 0.2848, 0.3455)$

Have a look what the booklet for
Yxy(29.0557, 0.2848, 0.3455)
contains.

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Color

$Y_{xy}(29.2000, 0.2848, 0.3460)$

Conversions

Conversions Part 1

Format	Color
Hex	749B91
RGB	116, 155, 145
RGB Percent	45%, 61%, 57%
CMY	0.5451, 0.3921, 0.4314
CMYK	0.25, 0.00, 0.06, 0.39
HSL	165°, 16%, 53%
HSV	165°, 25%, 61%
XYZ	24.0351, 29.2000, 31.1579
YIQ	142.1990, -20.0340, -11.3780

Conversions

Conversions Part 2

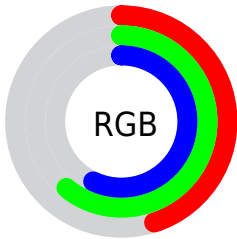
Format	Color
RYB	116, 138, 155
Decimal	7642001
CIELab	60.96, -15.53, 0.89
CIELCh	61, 15.556, 176.718
Yxy	29.2000, 0.2848, 0.3460
Android (android.graphics.Color)	4285832081 (0xFF749B91)
YUV	142.1990, 1.3809, -22.9765
Hunter-Lab	54.0370, -15.1697, 3.6391

Details

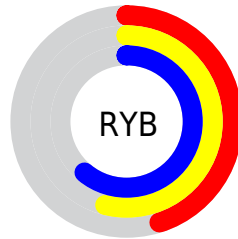
The Yxy color $29.2000, 0.2848, 0.3460$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $20.9675, 0.3510, 0.3127$, and the grayscale version is $27.1344, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.6517, 0.2906, 0.3428$, and $11.8851, 0.2742, 0.3518$ is the 20% darker color. If you saturate the color by 10%, you get $28.1055, 0.2750, 0.3538$, and if you desaturate by 10%, it is $30.4784, 0.2955, 0.3388$.

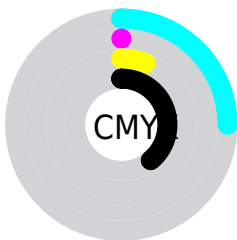
Distribution



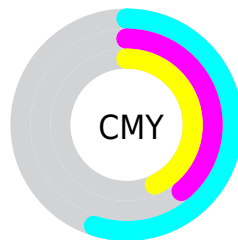
- Red (45%)
- Green (61%)
- Blue (57%)



- Red (45%)
- Yellow (54%)
- Blue (61%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (39%)





- Cyan (55%)
- Magenta (39%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2000, 0.2848, 0.3460 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 29.2000, 0.2848, 0.3460 by changing the saturation by 10% instead.


 29.2000, 0.2848,
0.3460


 29.2000, 0.2848,
0.3460


298.1574, 0.2998,
0.3368

 19.2322, 0.2806,
0.3486


 58.3947, 0.2906,
0.3425

 11.8382, 0.2750,
0.3520


 78.3904, 0.2926,
0.3412

 6.6336, 0.2670,
0.3570


 102.4974, 0.2943,
0.3402

 3.2340, 0.2548,
0.3646

131.1003, 0.2958,
0.3393

 1.2551, 0.2332,
0.3782

164.5833, 0.2970,
0.3385

 0.1060, 0.0000,
0.6660

203.3309, 0.2981,

 0.0000, 0.0000,

0.3379

0.0000

247.7275, 0.2990,
0.3373

■ 29.2000, 0.2848,
0.3460

■ 29.2000, 0.2848,
0.3460

■ 28.1055, 0.2750,
0.3538

■ 30.4784, 0.2955,
0.3388

■ 27.1826, 0.2663,
0.3622

■ 31.9453, 0.3067,
0.3322

■ 26.4228, 0.2591,
0.3710

■ 33.6097, 0.3184,
0.3262

■ 25.8155, 0.2535,
0.3801

■ 35.4789, 0.3301,
0.3208

■ 25.3491, 0.2497,
0.3895

■ 37.5597, 0.3419,
0.3161

■ 25.0098, 0.2478,
0.3989

■ 39.8587, 0.3534,
0.3119

■ 24.7804, 0.2478,
0.4083

■ 42.3823, 0.3647,
0.3082

■ 24.6871, 0.2480,
0.4128

■ 45.1363, 0.3755,
0.3050

■ 48.0303, 0.3855,
0.3022

Harmonies

Analogous

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



29.2000, 0.3082, 0.3656



29.2000, 0.2848, 0.3460



29.2000, 0.2691, 0.3219

Triad

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



29.2000, 0.2848, 0.3460



29.2000, 0.2908, 0.2874



29.2000, 0.3631, 0.3540

Complementary

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



29.2000, 0.2848, 0.3460



20.9675, 0.3510, 0.3127

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.



29.2000, 0.3583, 0.3333



29.2000, 0.2848, 0.3460



29.2000, 0.3156, 0.2959

Square

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



29.2000, 0.2848, 0.3460



29.2000, 0.2725, 0.2890



29.2000, 0.3406, 0.3124



29.2000, 0.3539, 0.3693

Rectangle

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



29.2000, 0.2848, 0.3460



29.2000, 0.2648, 0.3073



29.2000, 0.3406, 0.3124



29.2000, 0.3631, 0.3474

Sweetspot

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



29.2012, 0.2848, 0.3460



56.3851, 0.3033, 0.3341



29.1709, 0.3197, 0.3962



12.6760, 0.3017, 0.3350



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.2012, 0.2848, 0.3460



51.1906, 0.2794, 0.3502



26.6079, 0.2754, 0.3134



6.9995, 0.3021, 0.3348



19.8346, 0.2478, 0.4121



0.3023, 0.2363, 0.3707

Inverse Universe

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



20.9675, 0.3510, 0.3127



33.9518, 0.3621, 0.3090



22.9237, 0.3605, 0.3441



6.2474, 0.3245, 0.3233



5.7243, 0.5857, 0.3000



0.0908, 0.4832, 0.2436

Previews

White Background



This preview shows how the Yxy color 29.2000, 0.2848, 0.3460 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2000, 0.2848, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

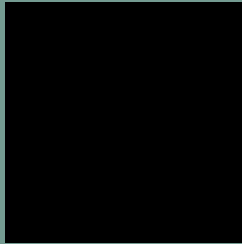
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

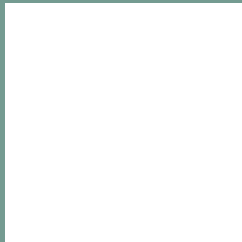
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2000, 0.2848, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 29.2000, 0.2848, 0.3460.



This preview shows how white text looks on a background with the Yxy color 29.2000, 0.2848, 0.3460.

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

29.2000, 0.2848, 0.3460

Protanopia

29.0305, 0.3239, 0.3385

Deuteranopia

28.9577, 0.3261, 0.3199



Tritanopia

29.1299, 0.2726, 0.3092

Trichromacy



Original Color

29.2000, 0.2848, 0.3460

Protanomaly

28.8512, 0.3081, 0.3404

Deuteranomaly

28.9033, 0.3096, 0.3290

Tritanomaly

29.1387, 0.2774, 0.3222

Monochromacy



Original Color

29.2000, 0.2848, 0.3460

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.8372, 0.3022, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2000, 0.2848, 0.3460 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(116, 155, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 155, 145)  
}
```

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(116, 155, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 155, 145) }
```

Border

The CSS property to change the border of an element to Yxy 29.2000, 0.2848, 0.3460 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(116, 155, 145) }
```

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

```
.border{ border-color:rgb(116, 155, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 155, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 155, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 155, 145);  
box-shadow:4px 4px 4px 4px rgb(116, 155,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2000, 0.2848, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 155, 145) }
```

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

```
.background{ background-color: rgb(116,  
155, 145) }
```

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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