

Converting Colors

$Y_{xy}(30.4033, 0.2713, 0.3201)$

Have a look what the booklet for
Yxy(30.4033, 0.2713, 0.3201)
contains.

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Color

Yxy(30.4356, 0.2716, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	749DA2
RGB	116, 157, 162
RGB Percent	45%, 62%, 64%
CMY	0.5453, 0.3843, 0.3648
CMYK	0.28, 0.03, 0.00, 0.36
HSL	186°, 20%, 54%
HSV	186°, 28%, 64%
XYZ	25.7758, 30.4356, 38.6922
YIQ	145.3110, -26.0410, -7.1370

Conversions

Conversions Part 2

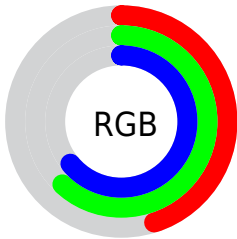
Format	Color
RYB	116, 138, 162
Decimal	7642530
CIELab	62.03, -12.69, -7.13
CIElCh	62, 14.555, 209.331
Yxy	30.4356, 0.2716, 0.3207
Android (android.graphics.Color)	4285832610 (0xFF749DA2)
YUV	145.3110, 8.2277, -25.7057
Hunter-Lab	55.1685, -13.1460, -2.9649

Details

The Yxy color **30.4356, 0.2716, 0.3207** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.5987, 0.3711, 0.3371**, and the grayscale version is **28.4193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5317, 0.2796, 0.3228**, and **12.5921, 0.2589, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **28.8341, 0.2588, 0.3174**, and if you desaturate by 10%, it is **32.2416, 0.2854, 0.3238**.

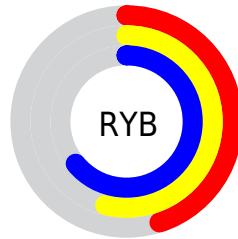
Distribution



Red (45%)

Green (62%)

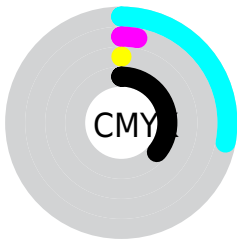
Blue (64%)



Red (45%)

Yellow (54%)

Blue (64%)

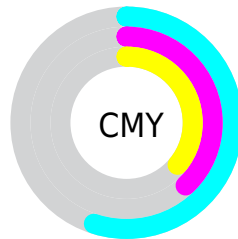


Cyan (28%)

Magenta (3%)

Yellow (0%)

Black (36%)



Cyan (55%)

Magenta (38%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4356, 0.2716, 0.3207 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 30.4356, 0.2716, 0.3207 by changing the saturation by 10% instead.

■ 30.4356, 0.2716,
0.3207

■ 30.4356, 0.2716,
0.3207

■ 303.9296, 0.2934,
0.3255

■ 20.1695, 0.2657,
0.3193

■ 60.3504, 0.2798,
0.3226

■ 12.5183, 0.2580,
0.3173

■ 80.7678, 0.2828,
0.3232

■ 7.0977, 0.2471,
0.3143

■ 105.3378, 0.2853,
0.3238

■ 3.5233, 0.2310,
0.3096

■ 134.4447, 0.2874,
0.3242

■ 1.4106, 0.2048,
0.3006

■ 168.4729, 0.2892,
0.3246

■ 0.2245, 0.0000,
0.2321

■ 207.8069, 0.2908,

■ 0.0000, 0.0000,

0.3249

0.0000

252.8310, 0.2922,
0.3252

■ 30.4356, 0.2716,
0.3207

■ 30.4356, 0.2716,
0.3207

■ 28.8341, 0.2588,
0.3174

■ 32.2416, 0.2854,
0.3238

■ 27.4233, 0.2474,
0.3139

■ 34.2578, 0.3000,
0.3267

■ 26.1935, 0.2375,
0.3103

■ 36.4941, 0.3151,
0.3294

■ 25.1324, 0.2294,
0.3066

■ 38.9588, 0.3304,
0.3318

■ 24.2265, 0.2231,
0.3029

■ 41.6597, 0.3458,
0.3340

■ 23.4595, 0.2186,
0.2992

■ 44.6042, 0.3609,
0.3359

■ 22.8020, 0.2157,
0.2956

■ 47.7995, 0.3756,
0.3376

■ 22.7009, 0.2153,
0.2950

■ 51.2522, 0.3899,
0.3391

■ 53.6667, 0.3977,
0.3406

Harmonies

Analogous

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



30.4356, 0.2853, 0.3428



30.4356, 0.2716, 0.3207



30.4356, 0.2685, 0.3020

Triad

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



30.4356, 0.2716, 0.3207



30.4356, 0.3176, 0.2994



30.4356, 0.3494, 0.3671

Complementary

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



30.4356, 0.2716, 0.3207



22.5987, 0.3711, 0.3371

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.



30.4356, 0.3590, 0.3537



30.4356, 0.2716, 0.3207



30.4356, 0.3402, 0.3152

Square

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



30.4356, 0.2716, 0.3207



30.4356, 0.2943, 0.2908



30.4356, 0.3556, 0.3348



30.4356, 0.3301, 0.3703

Rectangle

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



30.4356, 0.2716, 0.3207



30.4356, 0.2727, 0.2939



30.4356, 0.3556, 0.3348



30.4356, 0.3539, 0.3636

Sweetspot

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



30.4368, 0.2716, 0.3207



61.9127, 0.2989, 0.3265



30.9162, 0.3052, 0.4008



13.7861, 0.2968, 0.3261



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.4368, 0.2716, 0.3207



53.4097, 0.2635, 0.3187



23.4712, 0.2676, 0.2818



7.8799, 0.2988, 0.3265



17.9253, 0.2154, 0.2953



0.4114, 0.2191, 0.3086

Inverse Universe

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



22.5962, 0.3216, 0.2669



36.9640, 0.3239, 0.2533



28.7585, 0.3617, 0.3720



7.1889, 0.3153, 0.3092



7.6537, 0.3496, 0.1699



0.1643, 0.3380, 0.1635

Previews

White Background



This preview shows how the Yxy color 30.4356, 0.2716, 0.3207 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 30.4356, 0.2716, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

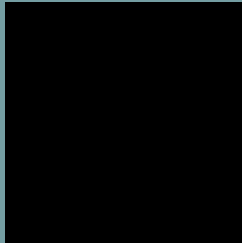
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

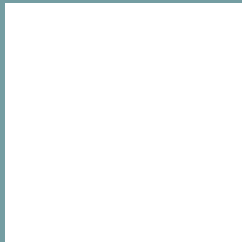
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.4356, 0.2716, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 30.4356, 0.2716, 0.3207.

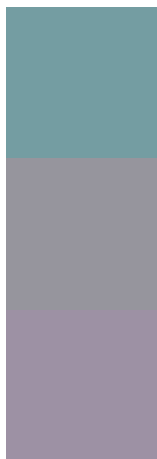


This preview shows how white text looks on a background with the Yxy color 30.4356, 0.2716, 0.3207.

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

30.4356, 0.2716, 0.3207

Protanopia

30.4132, 0.3062, 0.3167

Deuteranopia

30.0992, 0.3069, 0.3006



Tritanopia

30.3860, 0.2677, 0.3094

Trichromacy



Original Color

30.4356, 0.2716, 0.3207

Protanomaly

30.3629, 0.2928, 0.3179

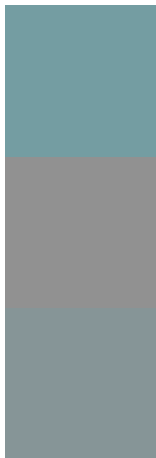
Deuteranomaly

29.8900, 0.2930, 0.3071

Tritanomaly

30.3120, 0.2692, 0.3126

Monochromacy



Original Color

30.4356, 0.2716, 0.3207

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.7976, 0.2959, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4356, 0.2716, 0.3207 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, 157, 162)` looks like.

```
.text, #text, p{  
    color:rgb(116, 157, 162)  
}
```

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, 157, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 157, 162) }
```

Border

The CSS property to change the border of an element to Yxy 30.4356, 0.2716, 0.3207 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, 157, 162) }
```

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

```
.border{ border-color:rgb(116, 157, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 157, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 157, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 157, 162);  
box-shadow:4px 4px 4px 4px rgb(116, 157,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4356, 0.2716, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 157, 162) }
```

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

```
.background{ background-color: rgb(116,  
157, 162) }
```

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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