

Converting Colors

$Y_{xy}(27.8930, 0.2713, 0.3421)$

Have a look what the booklet for
Yxy(27.8930, 0.2713, 0.3421)
contains.

Yxy(27.9532, 0.2713, 0.3430)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(27.9532, 0.2713, 0.3430)$

Conversions

Conversions Part 1

Format	Color
Hex	659A92
RGB	101, 154, 146
RGB Percent	40%, 60%, 57%
CMY	0.6040, 0.3961, 0.4274
CMYK	0.34, 0.00, 0.05, 0.40
HSL	171°, 21%, 50%
HSV	171°, 34%, 60%
XYZ	22.1099, 27.9532, 31.4331
YIQ	137.2410, -29.0200, -13.7240

Conversions

Conversions Part 2

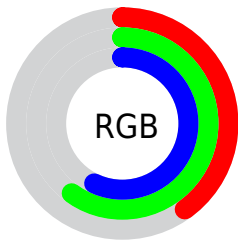
Format	Color
RYB	101, 130, 154
Decimal	6658706
CIELab	59.85, -19.42, -1.41
CIElCh	60, 19.470, 184.160
Yxy	27.9532, 0.2713, 0.3430
Android (android.graphics.Color)	4284848786 (0xFF659A92)
YUV	137.2410, 4.3182, -31.7834
Hunter-Lab	52.8708, -17.8773, 1.7601

Details

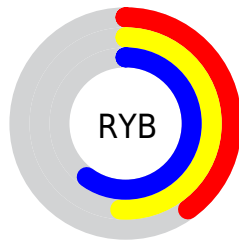
The Yxy color $27.9532, 0.2713, 0.3430$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.2766, 0.3790, 0.3158$, and the grayscale version is $25.1028, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.6411, 0.2799, 0.3406$, and $11.2231, 0.2563, 0.3475$ is the 20% darker color. If you saturate the color by 10%, you get $27.0759, 0.2616, 0.3477$, and if you desaturate by 10%, it is $29.0008, 0.2823, 0.3385$.

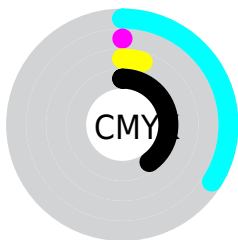
Distribution



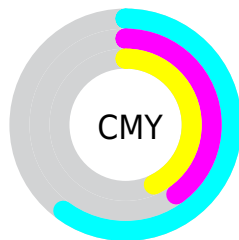
- Red (40%)
- Green (60%)
- Blue (57%)



- Red (40%)
- Yellow (51%)
- Blue (60%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)





- Cyan (60%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9532, 0.2713, 0.3430 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 27.9532, 0.2713, 0.3430 by changing the saturation by 10% instead.


 27.9532, 0.2713,
0.3430

 27.9532, 0.2713,
0.3430


292.2432, 0.2936,
0.3356


 18.2904, 0.2651,
0.3450


 56.4097, 0.2798,
0.3402

 11.1587, 0.2568,
0.3477


 75.9722, 0.2829,
0.3392

 6.1737, 0.2449,
0.3515

 99.6034, 0.2855,
0.3383

 2.9510, 0.2268,
0.3571

 127.6876, 0.2876,
0.3376

 1.1062, 0.1879,
0.3699

160.6093, 0.2895,
0.3370

 0.0000, 0.0000,
0.0000

198.7529, 0.2910,

0.3364

242.5027, 0.2924,
0.3360

■ 27.9532, 0.2713,
0.3430

■ 27.9532, 0.2713,
0.3430

■ 27.0759, 0.2616,
0.3477

■ 29.0008, 0.2823,
0.3385

■ 26.3562, 0.2533,
0.3527

■ 30.2239, 0.2942,
0.3344

■ 25.7849, 0.2468,
0.3578

■ 31.6316, 0.3069,
0.3306

■ 25.3506, 0.2421,
0.3630

■ 33.2316, 0.3201,
0.3271

■ 25.0401, 0.2392,
0.3683

■ 35.0308, 0.3334,
0.3240

■ 24.8373, 0.2381,
0.3735

■ 37.0361, 0.3468,
0.3212

■ 24.7468, 0.2379,
0.3764

■ 39.2538, 0.3601,
0.3188

■ 41.6901, 0.3730,
0.3167

■ 44.3509, 0.3856,
0.3148

Harmonies

Analogous

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



27.9532, 0.2988, 0.3709



27.9532, 0.2713, 0.3430



27.9532, 0.2551, 0.3123

Triad

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



27.9532, 0.2713, 0.3430



27.9532, 0.2921, 0.2784



27.9532, 0.3755, 0.3658

Complementary

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



27.9532, 0.2713, 0.3430



17.2766, 0.3790, 0.3158

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.



27.9532, 0.3740, 0.3406



27.9532, 0.2713, 0.3430



27.9532, 0.3244, 0.2918

Square

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



27.9532, 0.2713, 0.3430



27.9532, 0.2665, 0.2768



27.9532, 0.3549, 0.3141



27.9532, 0.3594, 0.3831

Rectangle

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



27.9532, 0.2713, 0.3430



27.9532, 0.2523, 0.2952



27.9532, 0.3549, 0.3141



27.9532, 0.3771, 0.3580

Sweetspot

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



27.9543, 0.2713, 0.3430



55.9406, 0.2995, 0.3327



27.3552, 0.3165, 0.4262



12.5875, 0.2979, 0.3332



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.



27.9543, 0.2713, 0.3430



49.5700, 0.2640, 0.3465



22.7997, 0.2612, 0.2970



7.0106, 0.3008, 0.3324



20.1645, 0.2378, 0.3760



0.3053, 0.2313, 0.3528

Inverse Universe

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



17.2766, 0.3790, 0.3158



27.2858, 0.4003, 0.3129



20.9208, 0.3812, 0.3587



6.2371, 0.3261, 0.3257



5.6518, 0.6151, 0.3162



0.0879, 0.5340, 0.2715

Previews

White Background



This preview shows how the Yxy color 27.9532, 0.2713, 0.3430 looks on a white background.

Color Contrast Check

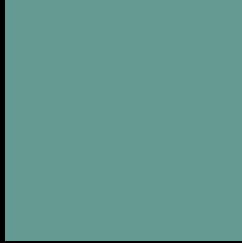
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9532, 0.2713, 0.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

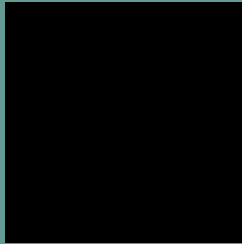
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9532, 0.2713, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 27.9532, 0.2713, 0.3430.



This preview shows how white text looks on a background with the Yxy color 27.9532, 0.2713, 0.3430.

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

27.9532, 0.2713, 0.3430

Protanopia

27.7414, 0.3200, 0.3339

Deuteranopia

27.6037, 0.3200, 0.3135



Tritanopia

27.8168, 0.2602, 0.3068

Trichromacy



Original Color

27.9532, 0.2713, 0.3430

Protanomaly

27.5663, 0.3001, 0.3374

Deuteranomaly

27.2355, 0.2996, 0.3224

Tritanomaly

27.8339, 0.2649, 0.3202

Monochromacy



Original Color

27.9532, 0.2713, 0.3430

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.8235, 0.2959, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9532, 0.2713, 0.3430 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(101, 154, 146)` looks like.

```
.text, #text, p{  
    color:rgb(101, 154, 146)  
}
```

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(101, 154, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 154, 146) }
```

Border

The CSS property to change the border of an element to Yxy 27.9532, 0.2713, 0.3430 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(101, 154, 146) }
```

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

```
.border{ border-color:rgb(101, 154, 146) }
```

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

Here you see how a box with a 4 pixel rgb(101, 154, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 154, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 154, 146);  
box-shadow:4px 4px 4px 4px rgb(101, 154,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9532, 0.2713, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 154, 146) }
```

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

```
.background{ background-color: rgb(101,  
154, 146) }
```

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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