

Converting Colors

$Y_{xy}(29.8280, 0.2771, 0.3394)$

Have a look what the booklet for
Yxy(29.8280, 0.2771, 0.3394)
contains.

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Color

$\text{Yxy}(29.7931, 0.2768, 0.3391)$

Conversions

Conversions Part 1

Format	Color
Hex	709D97
RGB	112, 157, 151
RGB Percent	44%, 62%, 59%
CMY	0.5610, 0.3843, 0.4078
CMYK	0.29, 0.00, 0.04, 0.38
HSL	172°, 19%, 53%
HSV	172°, 29%, 62%
XYZ	24.3195, 29.7931, 33.7468
YIQ	142.8610, -24.8940, -11.4060

Conversions

Conversions Part 2

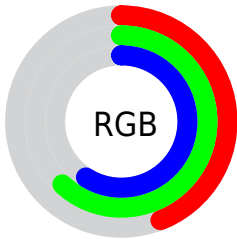
Format	Color
RYB	112, 136, 157
Decimal	7380375
CIELab	61.48, -16.52, -1.77
CIELCh	61, 16.614, 186.118
Yxy	29.7931, 0.2768, 0.3391
Android (android.graphics.Color)	4285570455 (0xFF709D97)
YUV	142.8610, 4.0125, -27.0651
Hunter-Lab	54.5831, -15.9897, 1.5512

Details

The Yxy color $29.7931, 0.2768, 0.3391$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $20.0525, 0.3656, 0.3193$, and the grayscale version is $27.3972, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.4941, 0.2843, 0.3377$, and $12.2523, 0.2651, 0.3440$ is the 20% darker color. If you saturate the color by 10%, you get $28.7857, 0.2661, 0.3432$, and if you desaturate by 10%, it is $30.9837, 0.2886, 0.3353$.

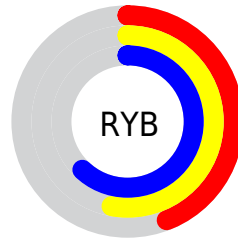
Distribution



Red (44%)

Green (62%)

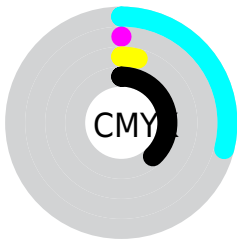
Blue (59%)



Red (44%)

Yellow (53%)

Blue (62%)

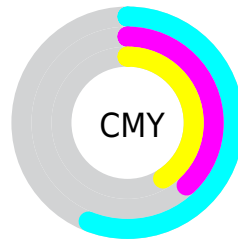


Cyan (29%)

Magenta (0%)

Yellow (4%)

Black (38%)



Cyan (56%)

Magenta (38%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7931, 0.2768, 0.3391 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 29.7931, 0.2768, 0.3391 by changing the saturation by 10% instead.

■ 29.7931, 0.2768,
0.3391

■ 29.7931, 0.2768,
0.3391

■ 300.9389, 0.2960,
0.3338

■ 19.6816, 0.2716,
0.3405

■ 59.3348, 0.2841,
0.3371

■ 12.1638, 0.2645,
0.3424

■ 79.5338, 0.2867,
0.3364

■ 6.8553, 0.2547,
0.3449

■ 103.8641, 0.2889,
0.3358

■ 3.3718, 0.2397,
0.3486

■ 132.7101, 0.2908,
0.3353

■ 1.3288, 0.2146,
0.3545

■ 166.4562, 0.2924,
0.3348

■ 0.1633, 0.0000,
0.3513

■ 205.4868, 0.2937,

■ 0.0000, 0.0000,

0.3344

0.0000

250.1862, 0.2949,
0.3341

■ 29.7931, 0.2768,
0.3391

■ 29.7931, 0.2768,
0.3391

■ 28.7857, 0.2661,
0.3432

■ 30.9837, 0.2886,
0.3353

■ 27.9486, 0.2569,
0.3474

■ 32.3625, 0.3012,
0.3318

■ 27.2728, 0.2492,
0.3519

■ 33.9388, 0.3145,
0.3286

■ 26.7469, 0.2433,
0.3564

■ 35.7203, 0.3280,
0.3257

■ 26.3584, 0.2393,
0.3610

■ 37.7142, 0.3417,
0.3231

■ 26.0924, 0.2371,
0.3656

■ 39.9274, 0.3553,
0.3209

■ 25.9191, 0.2364,
0.3702

■ 42.3664, 0.3687,
0.3189

■ 25.8983, 0.2363,
0.3708

■ 45.0374, 0.3818,
0.3171

■ 47.9466, 0.3943,
0.3156

Harmonies

Analogous

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



29.7931, 0.2996, 0.3624



29.7931, 0.2768, 0.3391



29.7931, 0.2637, 0.3138

Triad

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



29.7931, 0.2768, 0.3391



29.7931, 0.2972, 0.2867



29.7931, 0.3647, 0.3614

Complementary

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



29.7931, 0.2768, 0.3391



20.0525, 0.3656, 0.3193

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.



29.7931, 0.3643, 0.3406



29.7931, 0.2768, 0.3391



29.7931, 0.3244, 0.2987

Square

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



29.7931, 0.2768, 0.3391



29.7931, 0.2751, 0.2849



29.7931, 0.3494, 0.3180



29.7931, 0.3506, 0.3748

Rectangle

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



29.7931, 0.2768, 0.3391



29.7931, 0.2619, 0.2998



29.7931, 0.3494, 0.3180



29.7931, 0.3663, 0.3550

Sweetspot

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



29.7943, 0.2768, 0.3391



57.8228, 0.3006, 0.3320



29.1885, 0.3154, 0.4083



12.6456, 0.2989, 0.3324



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.



29.7943, 0.2768, 0.3391



52.2354, 0.2703, 0.3415



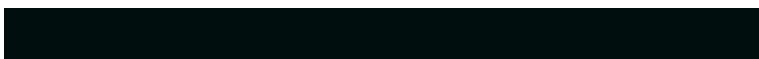
24.9964, 0.2694, 0.3016



7.4943, 0.3005, 0.3320



21.0337, 0.2362, 0.3704



0.3799, 0.2311, 0.3521

Inverse Universe

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



20.0525, 0.3656, 0.3193



32.0754, 0.3811, 0.3172



23.7032, 0.3669, 0.3548



6.6598, 0.3264, 0.3260



5.8690, 0.6192, 0.3184



0.1086, 0.5464, 0.2784

Previews

White Background



This preview shows how the Yxy color 29.7931, 0.2768, 0.3391 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 29.7931, 0.2768, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

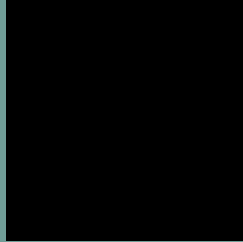
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7931, 0.2768, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 29.7931, 0.2768, 0.3391.

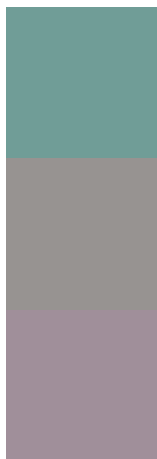


This preview shows how white text looks on a background with the Yxy color 29.7931, 0.2768, 0.3391.

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

29.7931, 0.2768, 0.3391

Protanopia

29.4911, 0.3188, 0.3322

Deuteranopia

29.4516, 0.3198, 0.3124



Tritanopia

29.8775, 0.2667, 0.3093

Trichromacy



Original Color

29.7931, 0.2768, 0.3391

Protanomaly

29.5582, 0.3025, 0.3355

Deuteranomaly

29.3194, 0.3030, 0.3210

Tritanomaly

29.9276, 0.2706, 0.3206

Monochromacy



Original Color

29.7931, 0.2768, 0.3391

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.1607, 0.2984, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7931, 0.2768, 0.3391 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(112, 157, 151)` looks like.

```
.text, #text, p{  
    color:rgb(112, 157, 151)  
}
```

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(112, 157, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 157, 151) }
```

Border

The CSS property to change the border of an element to Yxy 29.7931, 0.2768, 0.3391 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(112, 157, 151) }
```

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

```
.border{ border-color:rgb(112, 157, 151) }
```

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

Here you see how a box with a 4 pixel rgb(112, 157, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 157, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 157, 151);  
box-shadow:4px 4px 4px 4px rgb(112, 157,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7931, 0.2768, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 157, 151) }
```

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

```
.background{ background-color: rgb(112,  
157, 151) }
```

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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