

Converting Colors

$Y_{xy}(27.7081, 0.2698, 0.3139)$

Have a look what the booklet for
Yxy(27.7081, 0.2698, 0.3139)
contains.

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Color

Yxy(27.7606, 0.2694, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	70969F
RGB	112, 150, 159
RGB Percent	44%, 59%, 62%
CMY	0.5608, 0.4118, 0.3764
CMYK	0.30, 0.06, 0.00, 0.38
HSL	192°, 20%, 53%
HSV	192°, 30%, 62%
XYZ	23.8479, 27.7606, 36.9138
YIQ	139.6640, -25.5370, -5.2570

Conversions

Conversions Part 2

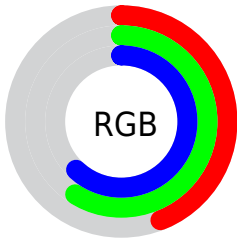
Format	Color
R_{YB}	112, 133, 159
Decimal	7378591
CIE Lab	59.67, -10.81, -8.99
CIE LCh	60, 14.059, 219.739
Yxy	27.7606, 0.2694, 0.3136
Android (android.graphics.Color)	4285568671 (0xFF70969F)
YUV	139.6640, 9.5326, -24.2613
Hunter-Lab	52.6883, -11.4115, -4.6572

Details

The Yxy color **27.7606, 0.2694, 0.3136** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2243, 0.3723, 0.3438**, and the grayscale version is **26.0591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0401, 0.2780, 0.3164**, and **11.0305, 0.2542, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **25.8476, 0.2561, 0.3076**, and if you desaturate by 10%, it is **29.8855, 0.2836, 0.3192**.

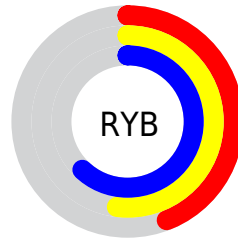
Distribution



Red (44%)

Green (59%)

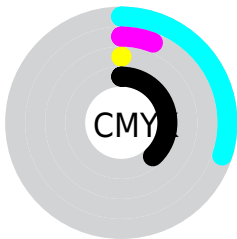
Blue (62%)



Red (44%)

Yellow (52%)

Blue (62%)

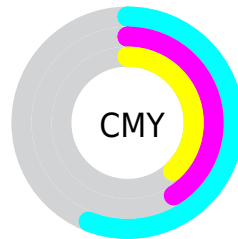


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (38%)



Cyan (56%)

Magenta (41%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7606, 0.2694, 0.3136 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 27.7606, 0.2694, 0.3136 by changing the saturation by 10% instead.

■ 27.7606, 0.2694,
0.3136

■ 27.7606, 0.2694,
0.3136

■ 291.3212, 0.2926,
0.3223

■ 18.1453, 0.2630,
0.3110

■ 56.1020, 0.2782,
0.3170

■ 11.0543, 0.2545,
0.3075

■ 75.5969, 0.2814,
0.3182

■ 6.1034, 0.2425,
0.3023

■ 99.1537, 0.2841,
0.3192

■ 2.9081, 0.2244,
0.2938

■ 127.1569, 0.2863,
0.3200

■ 1.0839, 0.1936,
0.2784

■ 159.9908, 0.2882,
0.3207

■ 0.0000, 0.0000,
0.0000

198.0400, 0.2899,

0.3213

241.6886, 0.2913,
0.3218

■ 27.7606, 0.2694,
0.3136

■ 27.7606, 0.2694,
0.3136

■ 25.8476, 0.2561,
0.3076

■ 29.8855, 0.2836,
0.3192

■ 24.1332, 0.2439,
0.3012

■ 32.2280, 0.2983,
0.3244

■ 22.6078, 0.2332,
0.2946

■ 34.7979, 0.3134,
0.3292

■ 21.2594, 0.2242,
0.2878

■ 37.6032, 0.3284,
0.3335

■ 20.0745, 0.2169,
0.2810

■ 40.6517, 0.3434,
0.3373

■ 19.0375, 0.2116,
0.2741

■ 43.9505, 0.3579,
0.3407

■ 18.1132, 0.2077,
0.2673

■ 47.5067, 0.3721,
0.3438

■ 18.0746, 0.2075,
0.2671

■ 51.3269, 0.3857,
0.3464

■ 55.3943, 0.3985,
0.3487

Harmonies

Analogous

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



27.7606, 0.2796, 0.3351



27.7606, 0.2694, 0.3136



27.7606, 0.2702, 0.2974

Triad

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



27.7606, 0.2694, 0.3136



27.7606, 0.3258, 0.3043



27.7606, 0.3435, 0.3694

Complementary

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



27.7606, 0.2694, 0.3136



22.2243, 0.3723, 0.3438

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.



27.7606, 0.3569, 0.3591



27.7606, 0.2694, 0.3136



27.7606, 0.3466, 0.3218

Square

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



27.7606, 0.2694, 0.3136



27.7606, 0.3021, 0.2929



27.7606, 0.3581, 0.3416



27.7606, 0.3220, 0.3685

Rectangle

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



27.7606, 0.2694, 0.3136



27.7606, 0.2769, 0.2915



27.7606, 0.3581, 0.3416



27.7606, 0.3491, 0.3670

Sweetspot

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



27.7617, 0.2694, 0.3136



57.8728, 0.2989, 0.3246



29.6212, 0.3016, 0.3969



12.9107, 0.2969, 0.3240



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.7617, 0.2694, 0.3136



47.5690, 0.2612, 0.3100



21.0995, 0.2650, 0.2725



7.2930, 0.2988, 0.3246



14.3284, 0.2077, 0.2677



0.3072, 0.2152, 0.2948

Inverse Universe

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



21.1638, 0.3267, 0.2701



34.1579, 0.3303, 0.2579



28.5307, 0.3622, 0.3796



6.7327, 0.3165, 0.3111



7.0687, 0.3750, 0.1840



0.1315, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 27.7606, 0.2694, 0.3136 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 27.7606, 0.2694, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

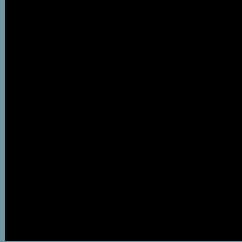
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7606, 0.2694, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 27.7606, 0.2694, 0.3136.

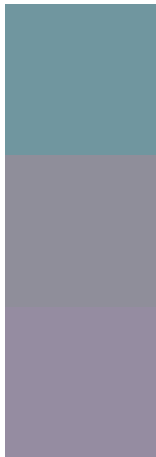


This preview shows how white text looks on a background with the Yxy color 27.7606, 0.2694, 0.3136.

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

27.7606, 0.2694, 0.3136

Protanopia

27.5187, 0.3021, 0.3098

Deuteranopia

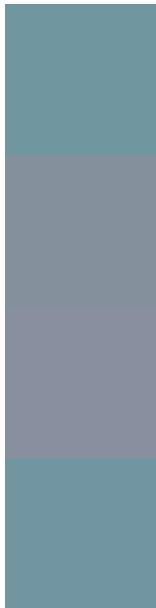
27.7189, 0.3016, 0.2964



Tritanopia

27.9320, 0.2679, 0.3088

Trichromacy



Original Color

27.7606, 0.2694, 0.3136

Protanomaly

27.5566, 0.2894, 0.3110

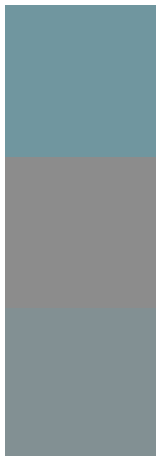
Deuteranomaly

27.7188, 0.2896, 0.3033

Tritanomaly

27.8966, 0.2687, 0.3104

Monochromacy



Original Color

27.7606, 0.2694, 0.3136

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.7989, 0.2955, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7606, 0.2694, 0.3136 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, 150, 159)` looks like.

```
.text, #text, p{  
    color:rgb(112, 150, 159)  
}
```

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, 150, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 150, 159) }
```

Border

The CSS property to change the border of an element to Yxy 27.7606, 0.2694, 0.3136 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, 150, 159) }
```

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

```
.border{ border-color:rgb(112, 150, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 150, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 150, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 150, 159); box-shadow:4px 4px 4px 4px rgb(112, 150, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7606, 0.2694, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 150, 159) }
```

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

```
.background{ background-color: rgb(112,  
150, 159) }
```

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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