

Converting Colors

$Y_{xy}(27.0450, 0.2990, 0.3661)$

Have a look what the booklet for
Yxy(27.0450, 0.2990, 0.3661)
contains.

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Color

Yxy(27.1796, 0.2991, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	759681
RGB	117, 150, 129
RGB Percent	46%, 59%, 51%
CMY	0.5414, 0.4117, 0.4942
CMYK	0.22, 0.00, 0.14, 0.41
HSL	142°, 14%, 52%
HSV	142°, 22%, 59%
XYZ	22.1994, 27.1796, 24.8416
YIQ	137.7390, -12.9270, -13.5270

Conversions

Conversions Part 2

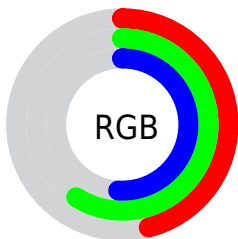
Format	Color
RYB	117, 141, 150
Decimal	7706241
CIELab	59.14, -15.96, 7.34
CIELCh	59, 17.569, 155.294
Yxy	27.1796, 0.2991, 0.3662
Android (android.graphics.Color)	4285896321 (0xFF759681)
YUV	137.7390, -4.3083, -18.1881
Hunter-Lab	52.1341, -15.2269, 8.2424

Details

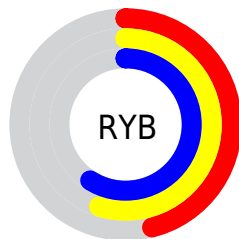
The Yxy color $27.1796, 0.2991, 0.3662$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $21.0308, 0.3294, 0.2945$, and the grayscale version is $25.3283, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.1092, 0.3024, 0.3575$, and $10.7318, 0.2936, 0.3799$ is the 20% darker color. If you saturate the color by 10%, you get $25.9821, 0.2933, 0.3861$, and if you desaturate by 10%, it is $28.5695, 0.3052, 0.3482$.

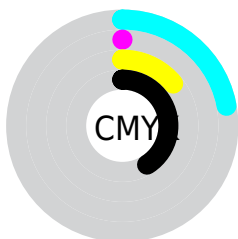
Distribution



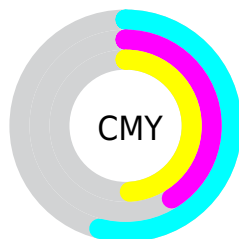
- Red (46%)
- Green (59%)
- Blue (51%)



- Red (46%)
- Yellow (55%)
- Blue (59%)



- Cyan (22%)
- Magenta (0%)
- Yellow (14%)
- Black (41%)





- Cyan (54%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1796, 0.2991, 0.3662 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 27.1796, 0.2991, 0.3662 by changing the saturation by 10% instead.

 27.1796, 0.2991,
0.3662


 27.1796, 0.2991,
0.3662


288.5257, 0.3068,
0.3455

 17.7082, 0.2968,
0.3723


 55.1719, 0.3021,
0.3581

 10.7407, 0.2937,
0.3807


 74.4616, 0.3032,
0.3552

 5.8927, 0.2890,
0.3931

 97.7928, 0.3040,
0.3528

 2.7800, 0.2813,
0.4133

125.5500, 0.3048,
0.3509

 1.0180, 0.2626,
0.4673

158.1174, 0.3054,
0.3492

 0.0000, 0.0000,
0.0000

195.8796, 0.3059,

0.3478

239.2209, 0.3064,
0.3465

■ 27.1796, 0.2991,
0.3662

■ 27.1796, 0.2991,
0.3662

■ 25.9821, 0.2933,
0.3861

■ 28.5695, 0.3052,
0.3482

■ 24.9651, 0.2882,
0.4078

■ 30.1566, 0.3114,
0.3321

■ 24.1205, 0.2839,
0.4308

■ 31.9493, 0.3177,
0.3178

■ 23.4382, 0.2809,
0.4548

■ 33.9549, 0.3237,
0.3052

■ 22.9071, 0.2793,
0.4790

■ 36.1803, 0.3296,
0.2942

■ 22.5145, 0.2794,
0.5024

■ 38.6318, 0.3352,
0.2845

■ 22.2455, 0.2813,
0.5242

■ 41.3156, 0.3405,
0.2761

■ 22.0898, 0.2834,
0.5401

■ 44.2379, 0.3455,
0.2688

■ 47.4043, 0.3503,
0.2624

Harmonies

Analogous

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



27.1796, 0.3285, 0.3803



27.1796, 0.2991, 0.3662



27.1796, 0.2742, 0.3407

Triad

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



27.1796, 0.2991, 0.3662



27.1796, 0.2712, 0.2811



27.1796, 0.3688, 0.3407

Complementary

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



27.1796, 0.2991, 0.3662



21.0308, 0.3294, 0.2945

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.



27.1796, 0.3520, 0.3163



27.1796, 0.2991, 0.3662



27.1796, 0.2950, 0.2829

Square

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



27.1796, 0.2991, 0.3662



27.1796, 0.2587, 0.2915



27.1796, 0.3246, 0.2956



27.1796, 0.3696, 0.3636

Rectangle

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



27.1796, 0.2991, 0.3662



27.1796, 0.2631, 0.3219



27.1796, 0.3246, 0.2956



27.1796, 0.3648, 0.3325

Sweetspot

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



27.1807, 0.2991, 0.3662



51.7362, 0.3083, 0.3400



28.5418, 0.3323, 0.3845



11.4343, 0.3079, 0.3409



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



27.1807, 0.2991, 0.3662



46.9712, 0.2965, 0.3749



27.6420, 0.2851, 0.3375



6.5013, 0.3070, 0.3434



18.3225, 0.2830, 0.5387



0.2296, 0.2597, 0.4549

Inverse Universe

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



21.0308, 0.3294, 0.2945



34.3246, 0.3336, 0.2872



20.5995, 0.3495, 0.3208



5.8737, 0.3189, 0.3150



6.0749, 0.4361, 0.2176



0.0800, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 27.1796, 0.2991, 0.3662 looks on a white background.

Color Contrast Check

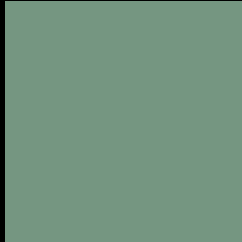
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1796, 0.2991, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

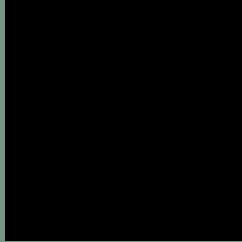
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1796, 0.2991, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 27.1796, 0.2991, 0.3662.



This preview shows how white text looks on a background with the Yxy color 27.1796, 0.2991, 0.3662.

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

27.1796, 0.2991, 0.3662

Protanopia

27.1226, 0.3367, 0.3569

Deuteranopia

26.9282, 0.3430, 0.3369



Tritanopia

27.1640, 0.2783, 0.3089

Trichromacy



Original Color

27.1796, 0.2991, 0.3662

Protanomaly

27.0755, 0.3229, 0.3611

Deuteranomaly

26.9140, 0.3260, 0.3472

Tritanomaly

26.9671, 0.2860, 0.3289

Monochromacy



Original Color

27.1796, 0.2991, 0.3662

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.8411, 0.3068, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1796, 0.2991, 0.3662 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(117, 150, 129)` looks like.

```
.text, #text, p{  
    color:rgb(117, 150, 129)  
}
```

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(117, 150, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 150, 129) }
```

Border

The CSS property to change the border of an element to Yxy 27.1796, 0.2991, 0.3662 is called "border". The border property can be set on classes, ids or directly on the HTML element.

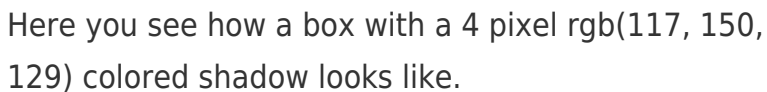
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 150, 129) }
```

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

```
.border{ border-color:rgb(117, 150, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 150, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 150, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 150, 129);  
box-shadow:4px 4px 4px 4px rgb(117, 150,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1796, 0.2991, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 150, 129) }
```

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

```
.background{ background-color: rgb(117,  
150, 129) }
```

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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