

Converting Colors

$Y_{xy}(27.7728, 0.2414, 0.3170)$

Have a look what the booklet for
Yxy(27.7728, 0.2414, 0.3170)
contains.

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Color

$\text{Yxy}(27.7990, 0.2409, 0.3164)$

Conversions

Conversions Part 1

Format	Color
Hex	489CA3
RGB	72, 156, 163
RGB Percent	28%, 61%, 64%
CMY	0.7180, 0.3882, 0.3608
CMYK	0.56, 0.04, 0.00, 0.36
HSL	185°, 39%, 46%
HSV	185°, 56%, 64%
XYZ	21.1655, 27.7990, 38.8958
YIQ	131.6820, -52.3110, -15.6310

Conversions

Conversions Part 2

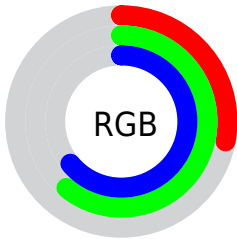
Format	Color
R_{YB}	72, 116, 163
Decimal	4758691
CIE _{Lab}	59.71, -23.26, -11.38
CIE _{LCh}	60, 25.893, 206.073
Yxy	27.7990, 0.2409, 0.3164
Android (android.graphics.Color)	4282948771 (0xFF489CA3)
YUV	131.6820, 15.4398, -52.3411
Hunter-Lab	52.7248, -20.6122, -6.8317




Details

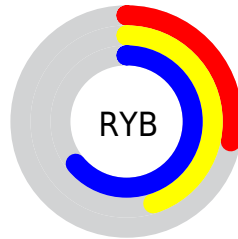
The Yxy color **27.7990, 0.2409, 0.3164** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8269, 0.4686, 0.3400**, and the grayscale version is **22.9034, 0.3127, 0.3290**.




A 20% lighter version of the original color is **56.3176, 0.2555, 0.3197**, and **11.0483, 0.2195, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **26.8386, 0.2327, 0.3138**, and if you desaturate by 10%, it is **28.9318, 0.2508, 0.3189**.

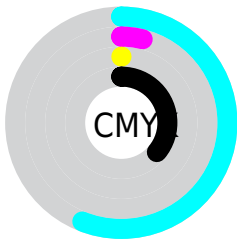
Distribution







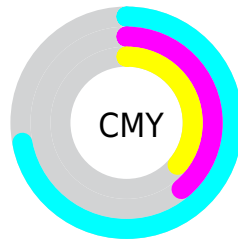
-  Red (28%)
-  Green (61%)
-  Blue (64%)






-  Red (28%)
-  Yellow (45%)
-  Blue (64%)



-  Cyan (56%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (36%)



-  Cyan (72%)
-  Magenta (39%)
-  Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7990, 0.2409, 0.3164 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 27.7990, 0.2409, 0.3164 by changing the saturation by 10% instead.

■ 27.7990, 0.2409,
0.3164

■ 27.7990, 0.2409,
0.3164

■ 291.5052, 0.2790,
0.3242

■ 18.1742, 0.2307,
0.3139

■ 56.1634, 0.2553,
0.3196

■ 11.0751, 0.2172,
0.3102

■ 75.6717, 0.2605,
0.3207

■ 6.1174, 0.1985,
0.3045

■ 99.2434, 0.2649,
0.3216

■ 2.9166, 0.1714,
0.2948

■ 127.2628, 0.2686,
0.3223

■ 1.0883, 0.1165,
0.2795

■ 160.1143, 0.2717,
0.3229

■ 0.0000, 0.0000,
0.0000

198.1822, 0.2745,

0.3234

241.8511, 0.2769,
0.3238

■ 27.7990, 0.2409,
0.3164

■ 27.7990, 0.2409,
0.3164

■ 26.8386, 0.2327,
0.3138

■ 28.9318, 0.2508,
0.3189

■ 26.0340, 0.2264,
0.3113

■ 30.2459, 0.2623,
0.3214

■ 25.3706, 0.2219,
0.3087

■ 31.7531, 0.2752,
0.3237

■ 24.8276, 0.2191,
0.3062

■ 33.4635, 0.2891,
0.3259

■ 24.6193, 0.2181,
0.3051

■ 35.3864, 0.3038,
0.3279

■ 37.5305, 0.3190,
0.3297

■ 39.9040, 0.3345,
0.3314

■ 42.5149, 0.3499,
0.3329

■ 45.3704, 0.3652,
0.3343

Harmonies

Analogous

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



27.7990, 0.2663, 0.3588



27.7990, 0.2409, 0.3164



27.7990, 0.2337, 0.2817

Triad

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



27.7990, 0.2409, 0.3164



27.7990, 0.3159, 0.2745



27.7990, 0.3822, 0.3956

Complementary

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



27.7990, 0.2409, 0.3164



13.8269, 0.4686, 0.3400

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.



27.7990, 0.3984, 0.3680



27.7990, 0.2409, 0.3164



27.7990, 0.3589, 0.3004

Square

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



27.7990, 0.2409, 0.3164



27.7990, 0.2747, 0.2608



27.7990, 0.3899, 0.3337



27.7990, 0.3475, 0.4067

Rectangle

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



27.7990, 0.2409, 0.3164



27.7990, 0.2396, 0.2671



27.7990, 0.3899, 0.3337



27.7990, 0.3900, 0.3877

Sweetspot

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



27.8001, 0.2409, 0.3164



59.4766, 0.2871, 0.3256



28.1149, 0.3007, 0.4934



13.2239, 0.2844, 0.3251



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.



27.8001, 0.2409, 0.3164



47.7076, 0.2311, 0.3132



15.4690, 0.2229, 0.2298



7.9180, 0.2988, 0.3272



19.1658, 0.2182, 0.3054



0.4282, 0.2207, 0.3146

Inverse Universe

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



14.8087, 0.3284, 0.2077



22.5131, 0.3322, 0.1882



22.5475, 0.4242, 0.4085



7.1928, 0.3149, 0.3085



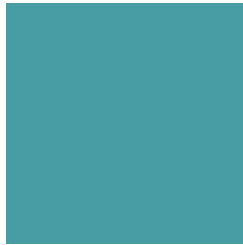
7.7789, 0.3407, 0.1651



0.1660, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 27.7990, 0.2409, 0.3164 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 27.7990, 0.2409, 0.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

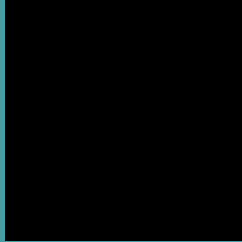
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7990, 0.2409, 0.3164

Background



This preview shows how black text looks on a background with the Yxy color 27.7990, 0.2409, 0.3164.



This preview shows how white text looks on a background with the Yxy color 27.7990, 0.2409, 0.3164.

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

27.7990, 0.2409, 0.3164

Protanopia

27.4299, 0.3011, 0.3098

Deuteranopia

27.6572, 0.2930, 0.2873



Tritanopia

27.7257, 0.2386, 0.3060

Trichromacy



Original Color

27.7990, 0.2409, 0.3164

Protanomaly

27.0837, 0.2748, 0.3120

Deuteranomaly

27.2329, 0.2691, 0.2959

Tritanomaly

27.6123, 0.2393, 0.3094

Monochromacy



Original Color

27.7990, 0.2409, 0.3164

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.3479, 0.2794, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7990, 0.2409, 0.3164 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(72, 156, 163)` looks like.

```
.text, #text, p{  
    color:rgb(72, 156, 163)  
}
```

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(72, 156, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 156, 163) }
```

Border

The CSS property to change the border of an element to Yxy 27.7990, 0.2409, 0.3164 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(72, 156, 163) }
```

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

```
.border{ border-color:rgb(72, 156, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 156, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 156, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 156, 163);  
box-shadow:4px 4px 4px 4px rgb(72, 156,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7990, 0.2409, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 156, 163) }
```

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

```
.background{ background-color: rgb(72, 156,  
163) }
```

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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