

Converting Colors

$Y_{xy}(30.3702, 0.2551, 0.3122)$

Have a look what the booklet for
Yxy(30.3702, 0.2551, 0.3122)
contains.

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Color

Yxy(30.3702, 0.2551, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	649FA9
RGB	100, 159, 169
RGB Percent	39%, 62%, 66%
CMY	0.6078, 0.3765, 0.3372
CMYK	0.41, 0.06, 0.00, 0.34
HSL	189°, 29%, 53%
HSV	189°, 41%, 66%
XYZ	24.8156, 30.3702, 42.0922
YIQ	142.4990, -38.3740, -9.3980

Conversions

Conversions Part 2

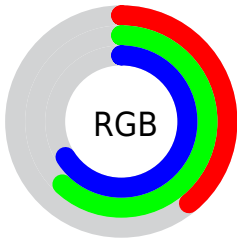
Format	Color
RYB	100, 132, 169
Decimal	6594473
CIELab	61.97, -16.52, -11.26
CIElCh	62, 19.991, 214.281
Yxy	30.3702, 0.2551, 0.3122
Android (android.graphics.Color)	4284784553 (0xFF649FA9)
YUV	142.4990, 13.0650, -37.2716
Hunter-Lab	55.1092, -16.0626, -6.7091

Details

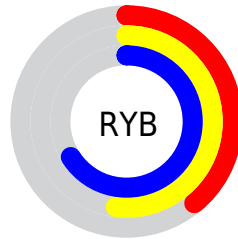
The Yxy color **30.3702, 0.2551, 0.3122** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.5095, 0.4075, 0.3448**, and the grayscale version is **27.2179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3450, 0.2666, 0.3165**, and **12.4041, 0.2365, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **28.6711, 0.2436, 0.3074**, and if you desaturate by 10%, it is **32.2882, 0.2679, 0.3168**.

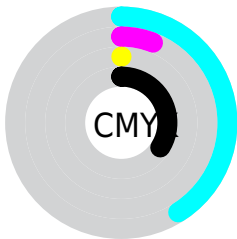
Distribution



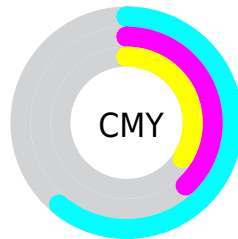
- Red (39%)
- Green (62%)
- Blue (66%)



- Red (39%)
- Yellow (52%)
- Blue (66%)



- Cyan (41%)
- Magenta (6%)
- Yellow (0%)
- Black (34%)




- Cyan (61%)
- Magenta (38%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3702, 0.2551, 0.3122 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 30.3702, 0.2551, 0.3122 by changing the saturation by 10% instead.


 30.3702, 0.2551,
0.3122


 30.3702, 0.2551,
0.3122


303.6262, 0.2854,
0.3218


 20.1198, 0.2471,
0.3094


 60.2471, 0.2665,
0.3160


 12.4821, 0.2365,
0.3054


 80.6424, 0.2706,
0.3173

 7.0729, 0.2219,
0.2997


 105.1881, 0.2741,
0.3184

 3.5077, 0.2006,
0.2904

 134.2686, 0.2770,
0.3193

 1.4022, 0.1672,
0.2737

168.2682, 0.2796,
0.3201

 0.2183, 0.0000,
0.1754

207.5714, 0.2818,

 0.0000, 0.0000,

0.3207

0.0000

252.5627, 0.2837,
0.3213

■ 30.3702, 0.2551,
0.3122

■ 30.3702, 0.2551,
0.3122

■ 28.6711, 0.2436,
0.3074

■ 32.2882, 0.2679,
0.3168

■ 27.1750, 0.2337,
0.3025

■ 34.4332, 0.2818,
0.3211

■ 25.8689, 0.2255,
0.2974

■ 36.8168, 0.2964,
0.3251

■ 24.7371, 0.2192,
0.2923

■ 39.4491, 0.3115,
0.3287

■ 23.7608, 0.2147,
0.2873

■ 42.3393, 0.3267,
0.3320

■ 22.9643, 0.2119,
0.2827

■ 45.4963, 0.3419,
0.3350

■ 48.9285, 0.3569,
0.3377

■ 52.6439, 0.3716,
0.3400

■ 56.6501, 0.3857,
0.3420

Harmonies

Analogous

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



30.3702, 0.2713, 0.3429



30.3702, 0.2551, 0.3122



30.3702, 0.2535, 0.2885

Triad

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



30.3702, 0.2551, 0.3122



30.3702, 0.3245, 0.2920



30.3702, 0.3593, 0.3831

Complementary

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



30.3702, 0.2551, 0.3122



20.5095, 0.4075, 0.3448

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.



30.3702, 0.3754, 0.3659



30.3702, 0.2551, 0.3122



30.3702, 0.3550, 0.3142

Square

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



30.3702, 0.2551, 0.3122



30.3702, 0.2922, 0.2785



30.3702, 0.3740, 0.3407



30.3702, 0.3309, 0.3857

Rectangle

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



30.3702, 0.2551, 0.3122



30.3702, 0.2607, 0.2793



30.3702, 0.3740, 0.3407



30.3702, 0.3663, 0.3786

Sweetspot

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



30.3714, 0.2551, 0.3122



65.3138, 0.2943, 0.3245



32.1960, 0.3003, 0.4352



14.1178, 0.2925, 0.3240



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.3714, 0.2551, 0.3122



51.6183, 0.2446, 0.3079



20.3191, 0.2458, 0.2523



8.3439, 0.2987, 0.3256



17.1742, 0.2120, 0.2832



0.4667, 0.2166, 0.2998

Inverse Universe

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



20.0543, 0.3295, 0.2432



31.0067, 0.3342, 0.2256



29.2131, 0.3864, 0.3948



7.6476, 0.3159, 0.3099



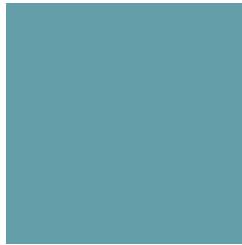
7.8048, 0.3605, 0.1760



0.1948, 0.3456, 0.1678

Previews

White Background



This preview shows how the Yxy color 30.3702, 0.2551, 0.3122 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.3702, 0.2551, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

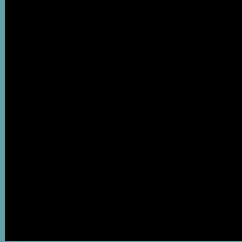
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3702, 0.2551, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 30.3702, 0.2551, 0.3122.



This preview shows how white text looks on a background with the Yxy color 30.3702, 0.2551, 0.3122.

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

30.3702, 0.2551, 0.3122

Protanopia

30.0843, 0.2997, 0.3074

Deuteranopia

30.0017, 0.2955, 0.2887



Tritanopia

30.5032, 0.2544, 0.3090

Trichromacy



Original Color

30.3702, 0.2551, 0.3122

Protanomaly

29.9984, 0.2813, 0.3082

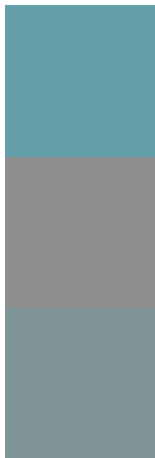
Deuteranomaly

29.8213, 0.2789, 0.2961

Tritanomaly

30.4653, 0.2551, 0.3106

Monochromacy



Original Color

30.3702, 0.2551, 0.3122

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2739, 0.2884, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3702, 0.2551, 0.3122 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(100, 159, 169)` looks like.

```
.text, #text, p{  
    color:rgb(100, 159, 169)  
}
```

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(100, 159, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 159, 169) }
```

Border

The CSS property to change the border of an element to Yxy 30.3702, 0.2551, 0.3122 is called "border". The border property can be set on classes, ids or directly on the HTML element.

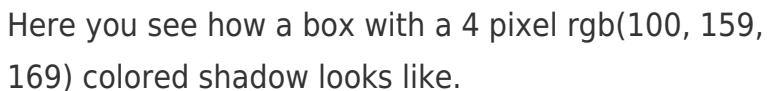
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 159, 169) }
```

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

```
.border{ border-color:rgb(100, 159, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 159, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 159, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 159, 169); box-shadow:4px 4px 4px 4px rgb(100, 159, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3702, 0.2551, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 159, 169) }
```

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

```
.background{ background-color: rgb(100,  
159, 169) }
```

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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