

Converting Colors

$Yxy(30.5296, 0.2432, 0.2991)$

Have a look what the booklet for
Yxy(30.5296, 0.2432, 0.2991)
contains.

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Color

Yxy(30.5296, 0.2432, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	5AA0B2
RGB	90, 160, 178
RGB Percent	35%, 63%, 70%
CMY	0.6471, 0.3725, 0.3019
CMYK	0.49, 0.10, 0.00, 0.30
HSL	192°, 36%, 53%
HSV	192°, 49%, 70%
XYZ	24.8238, 30.5296, 46.7181
YIQ	141.1220, -47.4980, -9.2420

Conversions

Conversions Part 2

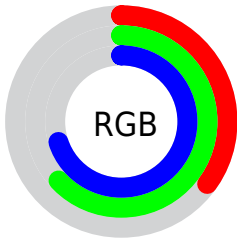
Format	Color
RYB	90, 129, 178
Decimal	5939378
CIELab	62.11, -17.07, -16.18
CIELCh	62, 23.518, 223.463
Yxy	30.5296, 0.2432, 0.2991
Android (android.graphics.Color)	4284129458 (0xFF5AA0B2)
YUV	141.1220, 18.1809, -44.8340
Hunter-Lab	55.2536, -16.4990, -11.4535

Details

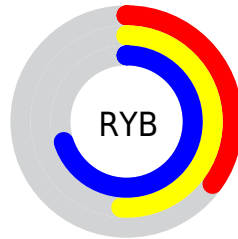
The Yxy color **30.5296, 0.2432, 0.2991** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.9332, 0.4344, 0.3556**, and the grayscale version is **26.6271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5611, 0.2564, 0.3055**, and **12.4818, 0.2213, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **28.4973, 0.2323, 0.2919**, and if you desaturate by 10%, it is **32.8151, 0.2556, 0.3060**.

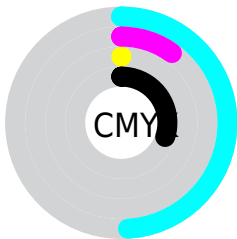
Distribution



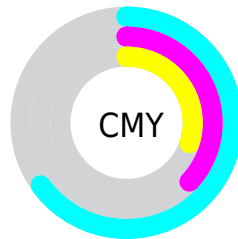
- Red (35%)
- Green (63%)
- Blue (70%)



- Red (35%)
- Yellow (51%)
- Blue (70%)



- Cyan (49%)
- Magenta (10%)
- Yellow (0%)
- Black (30%)



- Cyan (65%)
- Magenta (37%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5296, 0.2432, 0.2991 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 30.5296, 0.2432, 0.2991 by changing the saturation by 10% instead.

■ 30.5296, 0.2432,
0.2991

■ 30.5296, 0.2432,
0.2991

■ 304.3653, 0.2795,
0.3158

■ 20.2409, 0.2337,
0.2943

■ 60.4987, 0.2567,
0.3056

■ 12.5703, 0.2213,
0.2878

■ 80.9479, 0.2617,
0.3079

■ 7.1333, 0.2044,
0.2783

■ 105.5528, 0.2658,
0.3098

■ 3.5456, 0.1804,
0.2638

■ 134.6976, 0.2694,
0.3114

■ 1.4228, 0.1440,
0.2389

■ 168.7669, 0.2724,
0.3128

■ 0.2334, 0.0000,
0.1387

■ 208.1450, 0.2751,

■ 0.0000, 0.0000,

0.3139

0.0000

253.2164, 0.2774,
0.3149

■ 30.5296, 0.2432,
0.2991

■ 30.5296, 0.2432,
0.2991

■ 28.4973, 0.2323,
0.2919

■ 32.8151, 0.2556,
0.3060

■ 26.6988, 0.2231,
0.2846

■ 35.3645, 0.2691,
0.3125

■ 25.1174, 0.2157,
0.2772

■ 38.1921, 0.2835,
0.3186

■ 23.7320, 0.2102,
0.2698

■ 41.3101, 0.2984,
0.3242

■ 22.5019, 0.2063,
0.2624

■ 44.7299, 0.3135,
0.3293

■ 22.4367, 0.2061,
0.2620

■ 48.4620, 0.3287,
0.3339

■ 52.5168, 0.3437,
0.3380

■ 56.9037, 0.3583,
0.3416

■ 61.6321, 0.3725,
0.3449

Harmonies

Analogous

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



30.5296, 0.2568, 0.3337



30.5296, 0.2432, 0.2991



30.5296, 0.2467, 0.2757

Triad

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



30.5296, 0.2432, 0.2991



30.5296, 0.3382, 0.2929



30.5296, 0.3580, 0.3956

Complementary

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



30.5296, 0.2432, 0.2991



20.9332, 0.4344, 0.3556

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.



30.5296, 0.3824, 0.3793



30.5296, 0.2432, 0.2991



30.5296, 0.3712, 0.3206

Square

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



30.5296, 0.2432, 0.2991



30.5296, 0.2996, 0.2738



30.5296, 0.3876, 0.3516



30.5296, 0.3222, 0.3929

Rectangle

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



30.5296, 0.2432, 0.2991



30.5296, 0.2583, 0.2684



30.5296, 0.3876, 0.3516



30.5296, 0.3678, 0.3919

Sweetspot

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



30.5308, 0.2432, 0.2991



71.5413, 0.2897, 0.3210



35.0988, 0.2943, 0.4525



15.5935, 0.2866, 0.3198



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



30.5308, 0.2432, 0.2991



51.4648, 0.2317, 0.2915



17.9707, 0.2285, 0.2215



9.3302, 0.2986, 0.3242



16.1395, 0.2064, 0.2629



0.5826, 0.2120, 0.2833

Inverse Universe

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



19.3160, 0.3410, 0.2322



29.7345, 0.3491, 0.2149



32.5378, 0.4012, 0.4160



8.6163, 0.3168, 0.3111



8.1694, 0.3796, 0.1865



0.2646, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 30.5296, 0.2432, 0.2991 looks on a white background.

Color Contrast Check

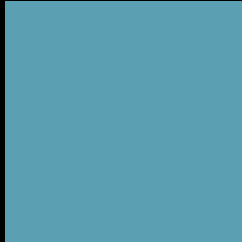
Large Text (above 18pt) WCAG AA × Fail

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 30.5296, 0.2432, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

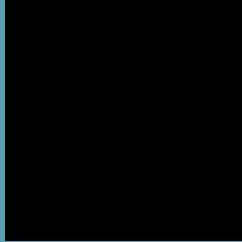
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5296, 0.2432, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 30.5296, 0.2432, 0.2991.



This preview shows how white text looks on a background with the Yxy color 30.5296, 0.2432, 0.2991.

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

30.5296, 0.2432, 0.2991

Protanopia

30.1931, 0.2906, 0.2955

Deuteranopia

30.1899, 0.2830, 0.2771



Tritanopia

30.6696, 0.2454, 0.3072

Trichromacy



Original Color

30.5296, 0.2432, 0.2991

Protanomaly

29.9092, 0.2706, 0.2957

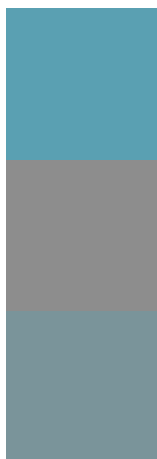
Deuteranomaly

29.9405, 0.2660, 0.2839

Tritanomaly

30.7087, 0.2448, 0.3056

Monochromacy



Original Color

30.5296, 0.2432, 0.2991

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.6505, 0.2819, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5296, 0.2432, 0.2991 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(90, 160, 178)` looks like.

```
.text, #text, p{  
    color:rgb(90, 160, 178)  
}
```

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(90, 160, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 160, 178) }
```

Border

The CSS property to change the border of an element to Yxy 30.5296, 0.2432, 0.2991 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(90, 160, 178) }
```

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

```
.border{ border-color:rgb(90, 160, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 160, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 160, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 160, 178);  
box-shadow:4px 4px 4px 4px rgb(90, 160,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5296, 0.2432, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 160, 178) }
```

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

```
.background{ background-color: rgb(90, 160,  
178) }
```

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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