

Converting Colors

$Yxy(31.0381, 0.2313, 0.2947)$

Have a look what the booklet for
Yxy(31.0381, 0.2313, 0.2947)
contains.

Yxy(30.9947, 0.2310, 0.2941)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.9947, 0.2310, 0.2941)

Conversions

Conversions Part 1

Format	Color
Hex	47A3B8
RGB	71, 163, 184
RGB Percent	28%, 64%, 72%
CMY	0.7218, 0.3608, 0.2784
CMYK	0.61, 0.11, 0.00, 0.28
HSL	191°, 44%, 50%
HSV	191°, 61%, 72%
XYZ	24.3447, 30.9947, 50.0489
YIQ	137.8860, -61.5730, -12.9730

Conversions

Conversions Part 2

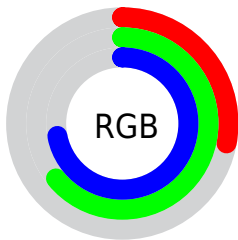
Format	Color
RYB	71, 122, 184
Decimal	4694968
CIELab	62.50, -20.84, -19.00
CIElCh	63, 28.202, 222.356
Yxy	30.9947, 0.2310, 0.2941
Android (android.graphics.Color)	4282885048 (0xFF47A3B8)
YUV	137.8860, 22.7342, -58.6590
Hunter-Lab	55.6729, -19.3729, -14.3296

Details

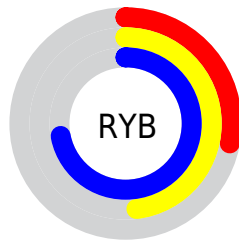
The Yxy color **30.9947, 0.2310, 0.2941** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.2901, 0.4830, 0.3573**, and the grayscale version is **25.2951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1799, 0.2466, 0.3017**, and **13.0076, 0.2115, 0.2812** is the 20% darker color. If you saturate the color by 10%, you get **29.2056, 0.2224, 0.2875**, and if you desaturate by 10%, it is **33.0295, 0.2414, 0.3006**.

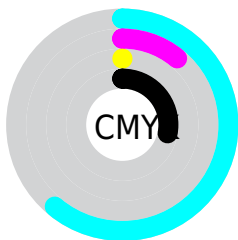
Distribution



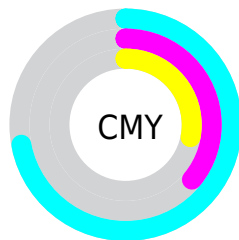
- Red (28%)
- Green (64%)
- Blue (72%)



- Red (28%)
- Yellow (48%)
- Blue (72%)



- Cyan (61%)
- Magenta (11%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (36%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9947, 0.2310, 0.2941 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 30.9947, 0.2310, 0.2941 by changing the saturation by 10% instead.

■ 30.9947, 0.2310,
0.2941

■ 30.9947, 0.2310,
0.2941

■ 306.5139, 0.2732,
0.3137

■ 20.5948, 0.2201,
0.2885

■ 61.2317, 0.2466,
0.3018

■ 12.8281, 0.2060,
0.2808

■ 81.8377, 0.2524,
0.3045

■ 7.3103, 0.1872,
0.2698

■ 106.6144, 0.2573,
0.3067

■ 3.6569, 0.1608,
0.2530

■ 135.9463, 0.2614,
0.3086

■ 1.4836, 0.1223,
0.2249

■ 170.2178, 0.2650,
0.3101

■ 0.2771, 0.0000,
0.1337

209.8133, 0.2681,

■ 0.0000, 0.0000,

0.3115

0.0000

255.1172, 0.2708,
0.3127

■ 30.9947, 0.2310,
0.2941

■ 30.9947, 0.2310,
0.2941

■ 29.2056, 0.2224,
0.2875

■ 33.0295, 0.2414,
0.3006

■ 27.6387, 0.2157,
0.2808

■ 35.3239, 0.2533,
0.3069

■ 26.2716, 0.2109,
0.2741

■ 37.8950, 0.2664,
0.3128

■ 25.2198, 0.2079,
0.2685

■ 40.7569, 0.2806,
0.3184

■ 43.9231, 0.2954,
0.3236

■ 47.4059, 0.3105,
0.3284

■ 51.2169, 0.3258,
0.3326

■ 55.3672, 0.3409,
0.3365

■ 59.8673, 0.3558,
0.3399

Harmonies

Analogous

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



30.9947, 0.2474, 0.3358



30.9947, 0.2310, 0.2941



30.9947, 0.2344, 0.2663

Triad

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



30.9947, 0.2310, 0.2941



30.9947, 0.3412, 0.2854



30.9947, 0.3675, 0.4081

Complementary

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



30.9947, 0.2310, 0.2941



18.2901, 0.4830, 0.3573

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.



30.9947, 0.3963, 0.3869



30.9947, 0.2310, 0.2941



30.9947, 0.3814, 0.3173

Square

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



30.9947, 0.2310, 0.2941



30.9947, 0.2952, 0.2636



30.9947, 0.4020, 0.3535



30.9947, 0.3251, 0.4067

Rectangle

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



30.9947, 0.2310, 0.2941



30.9947, 0.2475, 0.2577



30.9947, 0.4020, 0.3535



30.9947, 0.3791, 0.4030

Sweetspot

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



30.9959, 0.2310, 0.2941



75.6208, 0.2851, 0.3201



36.3877, 0.2927, 0.4919



15.9556, 0.2809, 0.3186



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.9959, 0.2310, 0.2941



51.8162, 0.2196, 0.2849



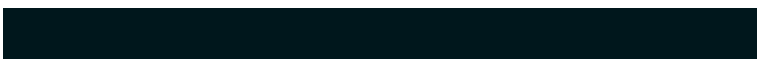
15.2619, 0.2081, 0.1928



9.9194, 0.2985, 0.3247



17.4765, 0.2081, 0.2693



0.6906, 0.2129, 0.2863

Inverse Universe

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



17.3356, 0.3472, 0.2102



26.4463, 0.3571, 0.1935



31.8890, 0.4268, 0.4317



9.1334, 0.3165, 0.3106



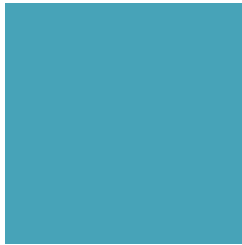
8.5466, 0.3735, 0.1831



0.3088, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 30.9947, 0.2310, 0.2941 looks on a white background.

Color Contrast Check

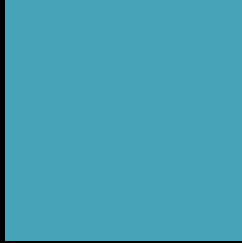
Large Text (above 18pt) WCAG AA × Fail

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 30.9947, 0.2310, 0.2941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

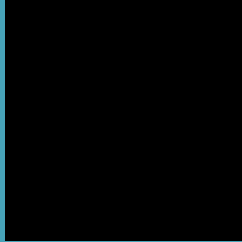
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9947, 0.2310, 0.2941

Background



This preview shows how black text looks on a background with the Yxy color 30.9947, 0.2310, 0.2941.



This preview shows how white text looks on a background with the Yxy color 30.9947, 0.2310, 0.2941.

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

30.9947, 0.2310, 0.2941

Protanopia

30.6098, 0.2855, 0.2897

Deuteranopia

30.5663, 0.2764, 0.2703



Tritanopia

30.9542, 0.2339, 0.3069

Trichromacy



Original Color

30.9947, 0.2310, 0.2941

Protanomaly

30.1771, 0.2608, 0.2908

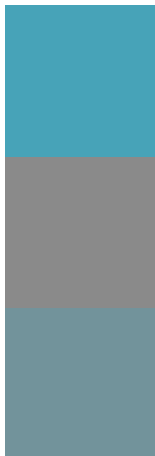
Deuteranomaly

30.2496, 0.2558, 0.2777

Tritanomaly

31.1114, 0.2327, 0.3020

Monochromacy



Original Color

30.9947, 0.2310, 0.2941

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.8114, 0.2738, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9947, 0.2310, 0.2941 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(71, 163, 184)` looks like.

```
.text, #text, p{  
    color:rgb(71, 163, 184)  
}
```

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(71, 163, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 163, 184) }
```

Border

The CSS property to change the border of an element to Yxy 30.9947, 0.2310, 0.2941 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(71, 163, 184) }
```

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

```
.border{ border-color:rgb(71, 163, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 163, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 163, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 163, 184); box-shadow:4px 4px 4px 4px rgb(71, 163, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9947, 0.2310, 0.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 163, 184) }
```

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

```
.background{ background-color: rgb(71, 163,  
184) }
```

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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