

Converting Colors

$Y_{xy}(31.3894, 0.2530, 0.2806)$

Have a look what the booklet for
Yxy(31.3894, 0.2530, 0.2806)
contains.

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Color

Yxy(31.4578, 0.2531, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	749DBC
RGB	116, 157, 188
RGB Percent	45%, 62%, 74%
CMY	0.5452, 0.3843, 0.2627
CMYK	0.38, 0.16, 0.00, 0.26
HSL	206°, 35%, 60%
HSV	206°, 38%, 74%
XYZ	28.3344, 31.4578, 52.1573
YIQ	148.2750, -34.3870, 0.9490

Conversions

Conversions Part 2

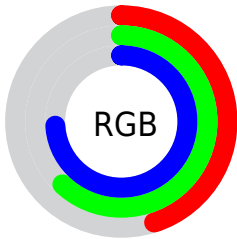
Format	Color
RYB	116, 142, 188
Decimal	7642556
CIELab	62.89, -6.04, -20.47
CIELCh	63, 21.340, 253.556
Yxy	31.4578, 0.2531, 0.2810
Android (android.graphics.Color)	4285832636 (0xFF749DBC)
YUV	148.2750, 19.5844, -28.3052
Hunter-Lab	56.0873, -7.9773, -15.8745

Details

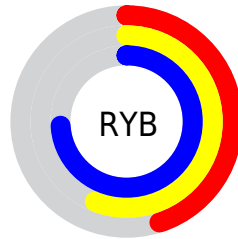
The Yxy color **31.4578, 0.2531, 0.2810** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **32.8122, 0.3892, 0.3721**, and the grayscale version is **29.6614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6662, 0.2646, 0.2903**, and **13.1473, 0.2345, 0.2649** is the 20% darker color. If you saturate the color by 10%, you get **27.6507, 0.2380, 0.2658**, and if you desaturate by 10%, it is **35.7094, 0.2687, 0.2952**.

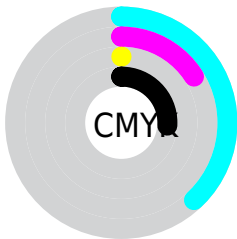
Distribution



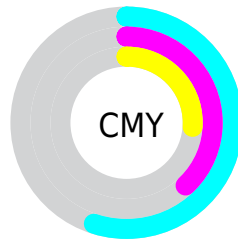
- Red (45%)
- Green (62%)
- Blue (74%)



- Red (45%)
- Yellow (56%)
- Blue (74%)



- Cyan (38%)
- Magenta (16%)
- Yellow (0%)
- Black (26%)



- Cyan (55%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4578, 0.2531, 0.2810 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 31.4578, 0.2531, 0.2810 by changing the saturation by 10% instead.

■ 31.4578, 0.2531,
0.2810

■ 31.4578, 0.2531,
0.2810

■ 308.6419, 0.2842,
0.3066

■ 20.9477, 0.2450,
0.2741

■ 61.9601, 0.2647,
0.2907

■ 13.0858, 0.2343,
0.2650

■ 82.7211, 0.2689,
0.2942

■ 7.4876, 0.2199,
0.2525

■ 107.6679, 0.2725,
0.2971

■ 3.7689, 0.1993,
0.2341

■ 137.1848, 0.2756,
0.2996

■ 1.5451, 0.1679,
0.2051

■ 171.6563, 0.2782,
0.3017

■ 0.3202, 0.0625,
0.1277

■ 211.4667, 0.2804,

■ 0.0000, 0.0000,

0.3035

0.0000

257.0004, 0.2824,
0.3051

■ 31.4578, 0.2531,
0.2810

■ 31.4578, 0.2531,
0.2810

■ 27.6507, 0.2380,
0.2658

■ 35.7094, 0.2687,
0.2952

■ 24.2651, 0.2239,
0.2498

■ 40.4196, 0.2845,
0.3082

■ 21.2811, 0.2112,
0.2333

■ 45.6065, 0.3001,
0.3201

■ 18.6750, 0.2003,
0.2166

■ 51.2858, 0.3152,
0.3307

■ 16.4199, 0.1915,
0.2001

■ 57.4725, 0.3299,
0.3402

■ 14.4743, 0.1848,
0.1841

■ 64.1807, 0.3438,
0.3486

■ 14.1662, 0.1837,
0.1815

■ 71.4242, 0.3569,
0.3560

■ 76.9928, 0.3606,
0.3636

■ 81.3877, 0.3586,
0.3715

Harmonies

Analogous

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



31.4578, 0.2499, 0.3023



31.4578, 0.2531, 0.2810



31.4578, 0.2713, 0.2732

Triad

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



31.4578, 0.2531, 0.2810



31.4578, 0.3652, 0.3217



31.4578, 0.3213, 0.3860

Complementary

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



31.4578, 0.2531, 0.2810



32.8122, 0.3892, 0.3721

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.



31.4578, 0.3535, 0.3888



31.4578, 0.2531, 0.2810



31.4578, 0.3799, 0.3498

Square

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



31.4578, 0.2531, 0.2810



31.4578, 0.3358, 0.2965



31.4578, 0.3753, 0.3746



31.4578, 0.2880, 0.3651

Rectangle

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



31.4578, 0.2531, 0.2810



31.4578, 0.2903, 0.2757



31.4578, 0.3753, 0.3746



31.4578, 0.3327, 0.3891

Sweetspot

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



31.4590, 0.2531, 0.2810



79.8636, 0.2956, 0.3168



41.7547, 0.2871, 0.3948



16.8970, 0.2935, 0.3152



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



31.4590, 0.2531, 0.2810



51.1340, 0.2403, 0.2682



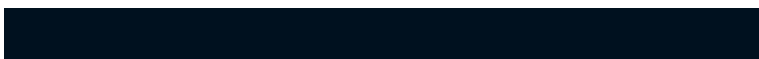
21.2570, 0.2447, 0.2239



10.1030, 0.2984, 0.3189



9.7946, 0.1843, 0.1834



0.5112, 0.1950, 0.2219

Inverse Universe

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



25.6124, 0.3526, 0.2731



39.9321, 0.3652, 0.2610



45.4090, 0.3721, 0.4160



9.6250, 0.3202, 0.3160



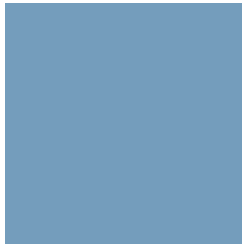
8.0185, 0.4645, 0.2332



0.3270, 0.4213, 0.2094

Previews

White Background



This preview shows how the Yxy color 31.4578, 0.2531, 0.2810 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 31.4578, 0.2531, 0.2810 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 31.4578, 0.2531, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 31.4578, 0.2531, 0.2810.

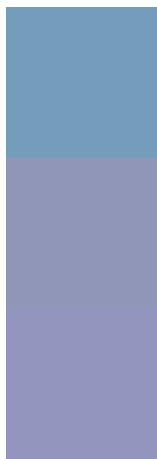


This preview shows how white text looks on a background with the Yxy color 31.4578, 0.2531, 0.2810.

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

31.4578, 0.2531, 0.2810

Protanopia

31.1609, 0.2781, 0.2800

Deuteranopia

31.4156, 0.2751, 0.2695



Tritanopia

31.6035, 0.2611, 0.3080

Trichromacy



Original Color

31.4578, 0.2531, 0.2810

Protanomaly

31.3536, 0.2684, 0.2807

Deuteranomaly

31.3648, 0.2669, 0.2739

Tritanomaly

31.5213, 0.2582, 0.2987

Monochromacy



Original Color

31.4578, 0.2531, 0.2810

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.0118, 0.2875, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4578, 0.2531, 0.2810 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(116, 157, 188)` looks like.

```
.text, #text, p{  
    color:rgb(116, 157, 188)  
}
```

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(116, 157, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 157, 188) }
```

Border

The CSS property to change the border of an element to Yxy 31.4578, 0.2531, 0.2810 is called "border". The border property can be set on classes, ids or directly on the HTML element.

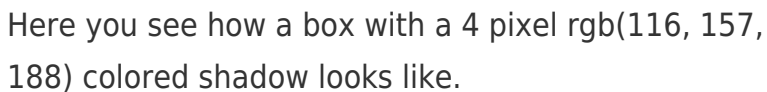
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 157, 188) }
```

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

```
.border{ border-color:rgb(116, 157, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 157, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 157, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 157, 188); box-shadow:4px 4px 4px 4px rgb(116, 157, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4578, 0.2531, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 157, 188) }
```

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

```
.background{ background-color: rgb(116,  
157, 188) }
```

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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