

Converting Colors

$Y_{xy}(31.7281, 0.2502, 0.2910)$

Have a look what the booklet for
Yxy(31.7281, 0.2502, 0.2910)
contains.

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Color

Yxy(31.7281, 0.2502, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	6BA0B8
RGB	107, 160, 184
RGB Percent	42%, 63%, 72%
CMY	0.5806, 0.3725, 0.2785
CMYK	0.42, 0.13, 0.00, 0.28
HSL	199°, 35%, 57%
HSV	199°, 42%, 72%
XYZ	27.2796, 31.7281, 50.0235
YIQ	146.8890, -39.2920, -3.7720

Conversions

Conversions Part 2

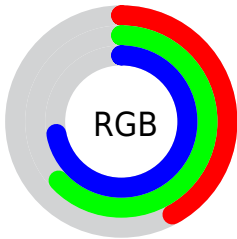
Format	Color
RYB	107, 138, 184
Decimal	7053496
CIELab	63.12, -11.21, -17.91
CIElCh	63, 21.133, 237.966
Yxy	31.7281, 0.2502, 0.2910
Android (android.graphics.Color)	4285243576 (0xFF6BA0B8)
YUV	146.8890, 18.2957, -34.9827
Hunter-Lab	56.3277, -12.1256, -13.2249

Details

The Yxy color **31.7281, 0.2502, 0.2910** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.4592, 0.4039, 0.3634**, and the grayscale version is **29.0605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4692, 0.2621, 0.2992**, and **13.3329, 0.2307, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **28.7688, 0.2369, 0.2801**, and if you desaturate by 10%, it is **35.0238, 0.2645, 0.3013**.

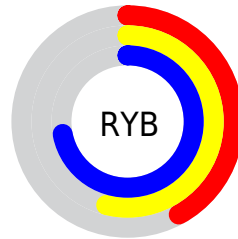
Distribution



Red (42%)

Green (63%)

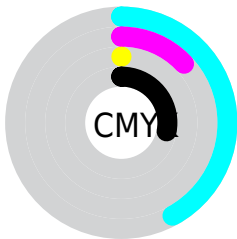
Blue (72%)



Red (42%)

Yellow (54%)

Blue (72%)

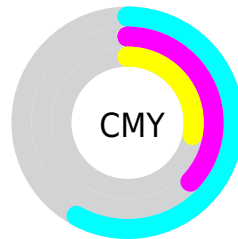


Cyan (42%)

Magenta (13%)

Yellow (0%)

Black (28%)



Cyan (58%)

Magenta (37%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7281, 0.2502, 0.2910 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 31.7281, 0.2502, 0.2910 by changing the saturation by 10% instead.

■ 31.7281, 0.2502,
0.2910

■ 31.7281, 0.2502,
0.2910

■ 309.8788, 0.2827,
0.3116

■ 21.1539, 0.2417,
0.2853

■ 62.3846, 0.2623,
0.2989

■ 13.2365, 0.2307,
0.2778

■ 83.2357, 0.2667,
0.3017

■ 7.5916, 0.2157,
0.2671

■ 108.2812, 0.2705,
0.3041

■ 3.8348, 0.1942,
0.2512

■ 137.9055, 0.2737,
0.3060

■ 1.5816, 0.1618,
0.2253

■ 172.4930, 0.2764,
0.3077

■ 0.3451, 0.0248,
0.1575

■ 212.4282, 0.2788,

■ 0.0000, 0.0000,

0.3092

0.0000

258.0953, 0.2809,
0.3105

■ 31.7281, 0.2502,
0.2910

■ 31.7281, 0.2502,
0.2910

■ 28.7688, 0.2369,
0.2801

■ 35.0238, 0.2645,
0.3013

■ 26.1255, 0.2249,
0.2687

■ 38.6677, 0.2794,
0.3108

■ 23.7808, 0.2146,
0.2570

■ 42.6751, 0.2946,
0.3196

■ 21.7138, 0.2062,
0.2453

■ 47.0594, 0.3099,
0.3276

■ 19.8994, 0.1997,
0.2336

■ 51.8332, 0.3249,
0.3348

■ 18.5711, 0.1956,
0.2242

■ 57.0083, 0.3396,
0.3412

■ 62.5962, 0.3537,
0.3468

■ 68.6077, 0.3671,
0.3518

■ 71.5745, 0.3663,
0.3575

Harmonies

Analogous

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



31.7281, 0.2551, 0.3178



31.7281, 0.2502, 0.2910



31.7281, 0.2608, 0.2762

Triad

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



31.7281, 0.2502, 0.2910



31.7281, 0.3507, 0.3082



31.7281, 0.3385, 0.3891

Complementary

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



31.7281, 0.2502, 0.2910



27.4592, 0.4039, 0.3634

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.



31.7281, 0.3660, 0.3825



31.7281, 0.2502, 0.2910



31.7281, 0.3738, 0.3352

Square

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



31.7281, 0.2502, 0.2910



31.7281, 0.3177, 0.2867



31.7281, 0.3793, 0.3622



31.7281, 0.3050, 0.3773

Rectangle

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



31.7281, 0.2502, 0.2910



31.7281, 0.2756, 0.2739



31.7281, 0.3793, 0.3622



31.7281, 0.3488, 0.3888

Sweetspot

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



31.7293, 0.2502, 0.2910



76.3578, 0.2926, 0.3185



39.0097, 0.2913, 0.4173



16.1087, 0.2892, 0.3166



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.



31.7293, 0.2502, 0.2910



52.6894, 0.2382, 0.2813



20.5895, 0.2400, 0.2276



9.7264, 0.2985, 0.3217



12.9322, 0.1960, 0.2256



0.5608, 0.2043, 0.2554

Inverse Universe

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



23.2317, 0.3458, 0.2562



36.1534, 0.3557, 0.2415



39.4671, 0.3821, 0.4129



9.1139, 0.3184, 0.3134



8.0878, 0.4173, 0.2072



0.2957, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 31.7281, 0.2502, 0.2910 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 31.7281, 0.2502, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

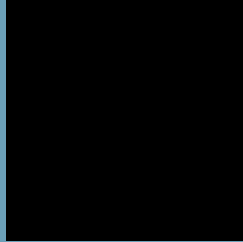
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7281, 0.2502, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 31.7281, 0.2502, 0.2910.



This preview shows how white text looks on a background with the Yxy color 31.7281, 0.2502, 0.2910.

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

31.7281, 0.2502, 0.2910

Protanopia

31.5506, 0.2850, 0.2888

Deuteranopia

31.5241, 0.2810, 0.2752



Tritanopia

31.8789, 0.2546, 0.3078

Trichromacy



Original Color

31.7281, 0.2502, 0.2910

Protanomaly

31.3120, 0.2706, 0.2891

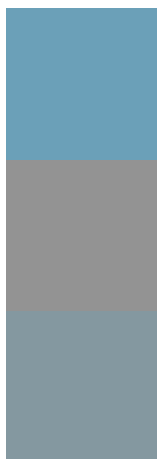
Deuteranomaly

31.3536, 0.2684, 0.2807

Tritanomaly

31.7073, 0.2530, 0.3015

Monochromacy



Original Color

31.7281, 0.2502, 0.2910

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9001, 0.2864, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7281, 0.2502, 0.2910 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(107, 160, 184)` looks like.

```
.text, #text, p{  
    color:rgb(107, 160, 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(107, 160, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 160, 184) }
```

Border

The CSS property to change the border of an element to Yxy 31.7281, 0.2502, 0.2910 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(107, 160, 184) }
```

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

```
.border{ border-color:rgb(107, 160, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 160, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 160, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 160, 184); box-shadow:4px 4px 4px 4px rgb(107, 160, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7281, 0.2502, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 160, 184) }
```

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

```
.background{ background-color: rgb(107,  
160, 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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