

Converting Colors

$Y_{xy}(31.6692, 0.2264, 0.2782)$

Have a look what the booklet for
Yxy(31.6692, 0.2264, 0.2782)
contains.

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Color

Yxy(31.5510, 0.2262, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	49A3C3
RGB	73, 163, 195
RGB Percent	29%, 64%, 76%
CMY	0.7134, 0.3608, 0.2353
CMYK	0.63, 0.16, 0.00, 0.24
HSL	196°, 50%, 53%
HSV	196°, 63%, 76%
XYZ	25.6998, 31.5510, 56.3646
YIQ	139.7380, -63.9120, -9.1280

Conversions

Conversions Part 2

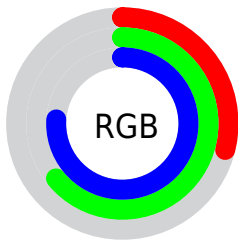
Format	Color
R_{YB}	73, 125, 195
Decimal	4826051
CIE _{Lab}	62.97, -17.07, -24.43
CIE _{LCh}	63, 29.803, 235.064
Yxy	31.5510, 0.2262, 0.2777
Android (android.graphics.Color)	4283016131 (0xFF49A3C3)
YUV	139.7380, 27.2442, -58.5292
Hunter-Lab	56.1703, -16.6282, -20.1759

Details

The Yxy color **31.5510, 0.2262, 0.2777** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **22.2073, 0.4790, 0.3697**, and the grayscale version is **26.0388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1576, 0.2424, 0.2880**, and **13.2920, 0.2057, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **29.1238, 0.2167, 0.2680**, and if you desaturate by 10%, it is **34.2930, 0.2374, 0.2872**.

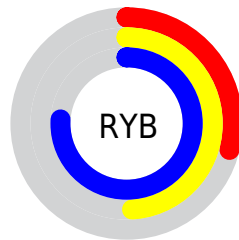
Distribution



Red (29%)

Green (64%)

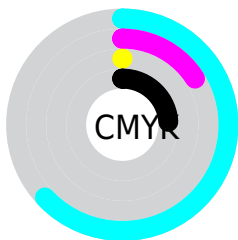
Blue (76%)



Red (29%)

Yellow (49%)

Blue (76%)

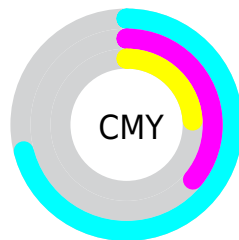


Cyan (63%)

Magenta (16%)

Yellow (0%)

Black (24%)



Cyan (71%)

Magenta (36%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5510, 0.2262, 0.2777 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 31.5510, 0.2262, 0.2777 by changing the saturation by 10% instead.

■ 31.5510, 0.2262,
0.2777

■ 31.5510, 0.2262,
0.2777

■ 309.0688, 0.2706,
0.3057

■ 21.0188, 0.2149,
0.2700

■ 62.1065, 0.2425,
0.2884

■ 13.1377, 0.2005,
0.2598

■ 82.8986, 0.2486,
0.2922

■ 7.5235, 0.1812,
0.2456

■ 107.8795, 0.2537,
0.2954

■ 3.7916, 0.1549,
0.2247

■ 137.4335, 0.2581,
0.2981

■ 1.5577, 0.1174,
0.1920

■ 171.9450, 0.2618,
0.3004

■ 0.3288, 0.0000,
0.1146

211.7985, 0.2651,

■ 0.0000, 0.0000,

0.3024

0.0000

257.3783, 0.2680,
0.3041

■ 31.5510, 0.2262,
0.2777

■ 31.5510, 0.2262,
0.2777

■ 29.1238, 0.2167,
0.2680

■ 34.2930, 0.2374,
0.2872

■ 26.9838, 0.2092,
0.2581

■ 37.3672, 0.2501,
0.2964

■ 25.1036, 0.2036,
0.2484

■ 40.7938, 0.2639,
0.3050

■ 23.8273, 0.2003,
0.2412

■ 44.5900, 0.2785,
0.3131

■ 48.7718, 0.2936,
0.3206

■ 53.3540, 0.3089,
0.3274

■ 58.3507, 0.3241,
0.3335

■ 63.7751, 0.3390,
0.3390

■ 69.6399, 0.3535,
0.3439

Harmonies

Analogous

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



31.5510, 0.2346, 0.3162



31.5510, 0.2262, 0.2777



31.5510, 0.2384, 0.2566

Triad

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



31.5510, 0.2262, 0.2777



31.5510, 0.3621, 0.2965



31.5510, 0.3522, 0.4150

Complementary

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



31.5510, 0.2262, 0.2777



22.2073, 0.4790, 0.3697

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.



31.5510, 0.3900, 0.4012



31.5510, 0.2262, 0.2777



31.5510, 0.3973, 0.3324

Square

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



31.5510, 0.2262, 0.2777



31.5510, 0.3144, 0.2687



31.5510, 0.4073, 0.3701



31.5510, 0.3054, 0.4018

Rectangle

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



31.5510, 0.2262, 0.2777



31.5510, 0.2573, 0.2530



31.5510, 0.4073, 0.3701



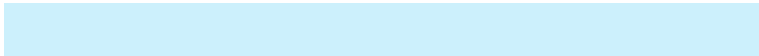
31.5510, 0.3664, 0.4130

Sweetspot

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



31.5522, 0.2262, 0.2777



82.1988, 0.2833, 0.3156



41.4409, 0.2882, 0.4826



17.5369, 0.2790, 0.3134



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.5522, 0.2262, 0.2777



50.7067, 0.2137, 0.2644



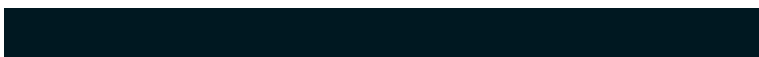
15.1740, 0.2029, 0.1758



10.9664, 0.2984, 0.3228



15.6293, 0.2007, 0.2425



0.7825, 0.2067, 0.2640

Inverse Universe

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



19.0232, 0.3613, 0.2182



28.6465, 0.3759, 0.2038



38.8227, 0.4225, 0.4424



10.2009, 0.3177, 0.3122



8.8600, 0.3998, 0.1976



0.3936, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 31.5510, 0.2262, 0.2777 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 31.5510, 0.2262, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

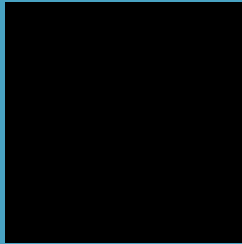
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5510, 0.2262, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 31.5510, 0.2262, 0.2777.

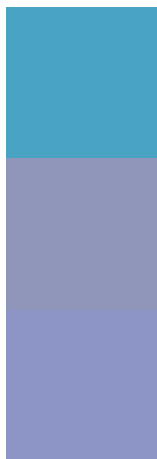


This preview shows how white text looks on a background with the Yxy color 31.5510, 0.2262, 0.2777.

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

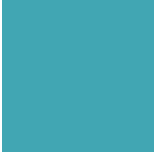
31.5510, 0.2262, 0.2777

Protanopia

31.1975, 0.2749, 0.2758

Deuteranopia

31.2348, 0.2640, 0.2583



Tritanopia

31.6509, 0.2323, 0.3070

Trichromacy



Original Color

31.5510, 0.2262, 0.2777

Protanomaly

30.9684, 0.2534, 0.2766

Deuteranomaly

30.8554, 0.2466, 0.2638

Tritanomaly

31.6420, 0.2300, 0.2959

Monochromacy



Original Color

31.5510, 0.2262, 0.2777

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.4309, 0.2717, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5510, 0.2262, 0.2777 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(73, 163, 195)` looks like.

```
.text, #text, p{  
    color:rgb(73, 163, 195)  
}
```

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(73, 163, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 163, 195) }
```

Border

The CSS property to change the border of an element to Yxy 31.5510, 0.2262, 0.2777 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(73, 163, 195) }
```

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

```
.border{ border-color:rgb(73, 163, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 163, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 163, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 163, 195);  
box-shadow:4px 4px 4px 4px rgb(73, 163,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5510, 0.2262, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 163, 195) }
```

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

```
.background{ background-color: rgb(73, 163,  
195) }
```

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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