

Converting Colors

$Y_{xy}(31.2404, 0.2222, 0.2923)$

Have a look what the booklet for
Yxy(31.2404, 0.2222, 0.2923)
contains.

Yxy(31.1511, 0.2222, 0.2922)	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(31.1511, 0.2222, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	31A5BB
RGB	49, 165, 187
RGB Percent	19%, 65%, 73%
CMY	0.8080, 0.3529, 0.2667
CMYK	0.74, 0.12, 0.00, 0.27
HSL	190°, 58%, 46%
HSV	190°, 74%, 73%
XYZ	23.6885, 31.1511, 51.7692
YIQ	132.8240, -76.1980, -17.7500

Conversions

Conversions Part 2

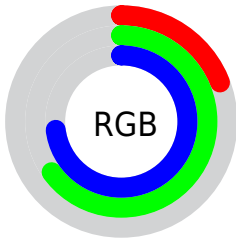
Format	Color
RYB	49, 112, 187
Decimal	3253691
CIELab	62.63, -24.29, -20.52
CIElCh	63, 31.797, 220.196
Yxy	31.1511, 0.2222, 0.2922
Android (android.graphics.Color)	4281443771 (0xFF31A5BB)
YUV	132.8240, 26.7088, -73.5136
Hunter-Lab	55.8132, -21.9133, -15.9249

Details

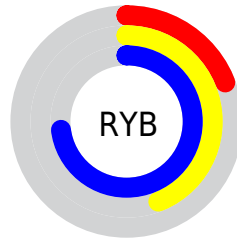
The Yxy color **31.1511, 0.2222, 0.2922** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.2837, 0.5392, 0.3538**, and the grayscale version is **23.3069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3023, 0.2392, 0.3002**, and **13.5315, 0.2111, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **29.7184, 0.2163, 0.2865**, and if you desaturate by 10%, it is **32.8038, 0.2300, 0.2979**.

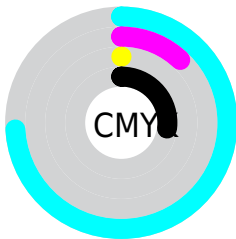
Distribution



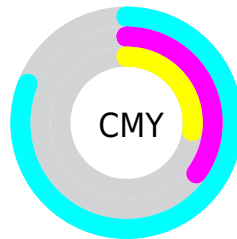
- Red (19%)
- Green (65%)
- Blue (73%)



- Red (19%)
- Yellow (44%)
- Blue (73%)



- Cyan (74%)
- Magenta (12%)
- Yellow (0%)
- Black (27%)





- Cyan (81%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1511, 0.2222, 0.2922 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 31.1511, 0.2222, 0.2922 by changing the saturation by 10% instead.


 31.1511, 0.2222,
0.2922


 31.1511, 0.2222,
0.2922


307.2338, 0.2687,
0.3130


 20.7139, 0.2104,
0.2862


 61.4779, 0.2393,
0.3004


 12.9151, 0.1951,
0.2780


 82.1363, 0.2457,
0.3033

 7.3701, 0.1749,
0.2662


 106.9706, 0.2510,
0.3056

 3.6946, 0.1470,
0.2482

 136.3651, 0.2556,
0.3076

 1.5042, 0.1069,
0.2184

 170.7043, 0.2596,
0.3093

 0.2917, 0.0000,
0.1280

210.3726, 0.2630,

 0.0000, 0.0000,

0.3107

0.0000

255.7543, 0.2660,
0.3120

■ 31.1511, 0.2222,
0.2922

■ 31.1511, 0.2222,
0.2922

■ 29.7184, 0.2163,
0.2865

■ 32.8038, 0.2300,
0.2979

■ 28.4766, 0.2123,
0.2809

■ 34.6945, 0.2396,
0.3034

■ 27.7723, 0.2104,
0.2775

■ 36.8431, 0.2508,
0.3088

■ 39.2661, 0.2635,
0.3140

■ 41.9788, 0.2772,
0.3188

■ 44.9950, 0.2918,
0.3234

■ 48.3278, 0.3069,
0.3275

■ 51.9895, 0.3222,
0.3313

■ 55.9914, 0.3375,
0.3347

Harmonies

Analogous

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



31.1511, 0.2417, 0.3400



31.1511, 0.2222, 0.2922



31.1511, 0.2245, 0.2602

Triad

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



31.1511, 0.2222, 0.2922



31.1511, 0.3408, 0.2782



31.1511, 0.3767, 0.4168

Complementary

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



31.1511, 0.2222, 0.2922



15.2837, 0.5392, 0.3538

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.



31.1511, 0.4079, 0.3907



31.1511, 0.2222, 0.2922



31.1511, 0.3874, 0.3127

Square

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



31.1511, 0.2222, 0.2922



31.1511, 0.2893, 0.2552



31.1511, 0.4126, 0.3527



31.1511, 0.3297, 0.4184

Rectangle

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



31.1511, 0.2222, 0.2922



31.1511, 0.2378, 0.2500



31.1511, 0.4126, 0.3527



31.1511, 0.3895, 0.4102

Sweetspot

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



31.1522, 0.2222, 0.2922



75.9499, 0.2793, 0.3195



36.6246, 0.2938, 0.5347



16.4179, 0.2754, 0.3182



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.



31.1522, 0.2222, 0.2922



51.7257, 0.2135, 0.2828



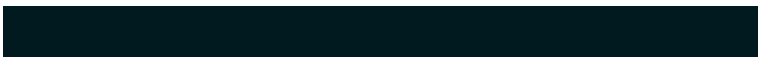
12.8391, 0.1910, 0.1687



10.5437, 0.2985, 0.3253



19.2264, 0.2106, 0.2782



0.8236, 0.2143, 0.2915

Inverse Universe

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



15.4736, 0.3506, 0.1912



24.2393, 0.3605, 0.1803



29.1567, 0.4558, 0.4396



9.6695, 0.3161, 0.3099



8.9706, 0.3652, 0.1785



0.3585, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 31.1511, 0.2222, 0.2922 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 31.1511, 0.2222, 0.2922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

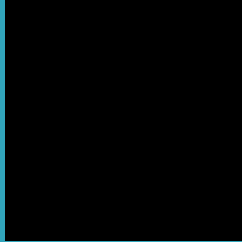
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1511, 0.2222, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 31.1511, 0.2222, 0.2922.



This preview shows how white text looks on a background with the Yxy color 31.1511, 0.2222, 0.2922.

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

31.1511, 0.2222, 0.2922

Protanopia

30.6492, 0.2847, 0.2883

Deuteranopia

30.8707, 0.2716, 0.2662



Tritanopia

31.0813, 0.2244, 0.3049

Trichromacy



Original Color

31.1511, 0.2222, 0.2922

Protanomaly

30.0530, 0.2537, 0.2889

Deuteranomaly

30.0801, 0.2461, 0.2726

Tritanomaly

31.2492, 0.2235, 0.3001

Monochromacy



Original Color

31.1511, 0.2222, 0.2922

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.3755, 0.2648, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1511, 0.2222, 0.2922 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(49, 165, 187)` looks like.

```
.text, #text, p{  
    color:rgb(49, 165, 187)  
}
```

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(49, 165, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 165, 187) }
```

Border

The CSS property to change the border of an element to Yxy 31.1511, 0.2222, 0.2922 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(49, 165, 187) }
```

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

```
.border{ border-color:rgb(49, 165, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 165, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(49, 165, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(49, 165, 187); box-shadow:4px 4px 4px 4px rgb(49, 165, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1511, 0.2222, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 165, 187) }
```

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

```
.background{ background-color: rgb(49, 165,  
187) }
```

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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