

Converting Colors

$Y_{xy}(31.2103, 0.2296, 0.2222)$

Have a look what the booklet for
Yxy(31.2103, 0.2296, 0.2222)
contains.

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Color

Yxy(31.2103, 0.2296, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	7696E3
RGB	118, 150, 227
RGB Percent	46%, 59%, 89%
CMY	0.5370, 0.4118, 0.1098
CMYK	0.48, 0.34, 0.00, 0.11
HSL	222°, 66%, 68%
HSV	222°, 48%, 89%
XYZ	32.2497, 31.2103, 77.0004
YIQ	149.2100, -43.7890, 17.1630

Conversions

Conversions Part 2

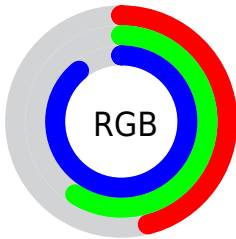
Format	Color
RYB	118, 143, 227
Decimal	7771875
CIELab	62.68, 9.58, -42.52
CIELCh	63, 43.589, 282.695
Yxy	31.2103, 0.2296, 0.2222
Android (android.graphics.Color)	4285961955 (0xFF7696E3)
YUV	149.2100, 38.3505, -27.3712
Hunter-Lab	55.8662, 5.2764, -42.6131

Details

The Yxy color **31.2103, 0.2296, 0.2222** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **56.7109, 0.3994, 0.4157**, and the grayscale version is **30.0031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5197, 0.2607, 0.2706**, and **13.0153, 0.2052, 0.1940** is the 20% darker color. If you saturate the color by 10%, you get **25.0321, 0.2116, 0.1952**, and if you desaturate by 10%, it is **38.4747, 0.2481, 0.2482**.

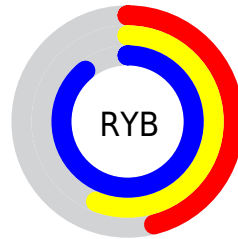
Distribution



Red (46%)

Green (59%)

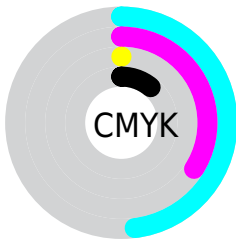
Blue (89%)



Red (46%)

Yellow (56%)

Blue (89%)

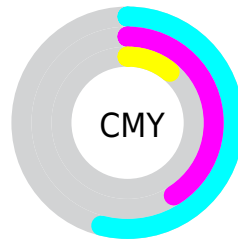


Cyan (48%)

Magenta (34%)

Yellow (0%)

Black (11%)



Cyan (54%)


Magenta (41%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2103, 0.2296, 0.2222 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 31.2103, 0.2296, 0.2222 by changing the saturation by 10% instead.


 31.2103, 0.2296,
0.2222


 31.2103, 0.2296,
0.2222


307.5060, 0.2725,
0.2756


 20.7590, 0.2188,
0.2092


 61.5710, 0.2453,
0.2414

 12.9480, 0.2051,
0.1930


 82.2493, 0.2512,
0.2487

 7.3927, 0.1870,
0.1721


 107.1053, 0.2561,
0.2549

 3.7089, 0.1628,
0.1448

136.5235, 0.2604,
0.2602

 1.5121, 0.1293,
0.1088

170.8883, 0.2640,
0.2648

 0.2972, 0.0795,
0.0458

210.5840, 0.2672,

 0.0000, 0.0000,

0.2689

0.0000

255.9951, 0.2700,
0.2724

■ 31.2103, 0.2296,
0.2222

■ 31.2103, 0.2296,
0.2222

■ 25.0321, 0.2116,
0.1952

■ 38.4747, 0.2481,
0.2482

■ 19.8805, 0.1950,
0.1681

■ 46.8738, 0.2664,
0.2725

■ 15.6948, 0.1806,
0.1423

■ 56.4571, 0.2839,
0.2947

■ 12.4050, 0.1693,
0.1191

■ 67.2697, 0.3004,
0.3147

■ 9.9237, 0.1613,
0.0995

■ 79.3548, 0.3157,
0.3324

■ 9.5027, 0.1600,
0.0960

■ 92.7529, 0.3297,
0.3479

■ 98.3263, 0.3292,
0.3562

Harmonies

Analogous

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



31.2103, 0.1978, 0.2339



31.2103, 0.2296, 0.2222



31.2103, 0.2855, 0.2338

Triad

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



31.2103, 0.2296, 0.2222



31.2103, 0.4503, 0.3614



31.2103, 0.2622, 0.4086

Complementary

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



31.2103, 0.2296, 0.2222



56.7109, 0.3994, 0.4157

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.



31.2103, 0.3274, 0.4528



31.2103, 0.2296, 0.2222



31.2103, 0.4384, 0.4121

Square

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



31.2103, 0.2296, 0.2222



31.2103, 0.4196, 0.3097



31.2103, 0.3921, 0.4495



31.2103, 0.2140, 0.3365

Rectangle

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



31.2103, 0.2296, 0.2222



31.2103, 0.3320, 0.2526



31.2103, 0.3921, 0.4495



31.2103, 0.2829, 0.4282

Sweetspot

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



31.2114, 0.2296, 0.2222



78.7867, 0.2905, 0.3028



62.7069, 0.2656, 0.3723



16.2260, 0.2868, 0.2983



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.



31.2114, 0.2296, 0.2222



32.3034, 0.2109, 0.1941



24.0828, 0.2379, 0.1840



14.5718, 0.2981, 0.3119



5.7173, 0.1607, 0.0985



0.5790, 0.1687, 0.1273

Inverse Universe

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



31.5067, 0.4051, 0.2923



34.0123, 0.4377, 0.2860



69.2606, 0.3663, 0.4532



14.4371, 0.3247, 0.3221



9.7749, 0.5781, 0.2958



0.7381, 0.5364, 0.2729

Previews

White Background



This preview shows how the Yxy color 31.2103, 0.2296, 0.2222 looks on a white background.

Color Contrast Check

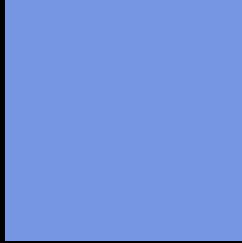
Large Text (above 18pt) WCAG AA × Fail

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 31.2103, 0.2296, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

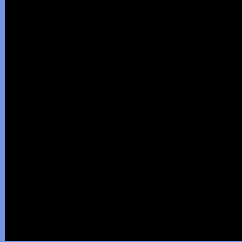
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2103, 0.2296, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 31.2103, 0.2296, 0.2222.



This preview shows how white text looks on a background with the Yxy color 31.2103, 0.2296, 0.2222.

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

31.2103, 0.2296, 0.2222

Protanopia

31.3459, 0.2343, 0.2230

Deuteranopia

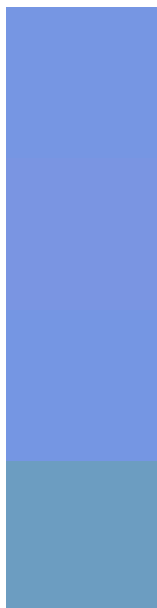
31.0717, 0.2283, 0.2219



Tritanopia

31.3705, 0.2536, 0.3076

Trichromacy



Original Color

31.2103, 0.2296, 0.2222

Protanomaly

31.1235, 0.2324, 0.2225

Deuteranomaly

31.1407, 0.2289, 0.2221

Tritanomaly

31.1523, 0.2444, 0.2732

Monochromacy



Original Color

31.2103, 0.2296, 0.2222

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0725, 0.2775, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2103, 0.2296, 0.2222 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(118, 150, 227)` looks like.

```
.text, #text, p{  
    color:rgb(118, 150, 227)  
}
```

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(118, 150, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 150, 227) }
```

Border

The CSS property to change the border of an element to Yxy 31.2103, 0.2296, 0.2222 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(118, 150, 227) }
```

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

```
.border{ border-color:rgb(118, 150, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 150, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 150, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 150, 227);  
box-shadow:4px 4px 4px 4px rgb(118, 150,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2103, 0.2296, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 150, 227) }
```

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

```
.background{ background-color: rgb(118,  
150, 227) }
```

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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