

Converting Colors

$Y_{xy}(31.1734, 0.2439, 0.2767)$

Have a look what the booklet for
Yxy(31.1734, 0.2439, 0.2767)
contains.

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Color

Yxy(31.2186, 0.2440, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	699EBF
RGB	105, 158, 191
RGB Percent	41%, 62%, 75%
CMY	0.5880, 0.3804, 0.2510
CMYK	0.45, 0.17, 0.00, 0.25
HSL	203°, 40%, 58%
HSV	203°, 45%, 75%
XYZ	27.4598, 31.2186, 53.8617
YIQ	145.9150, -42.1810, -0.9730

Conversions

Conversions Part 2

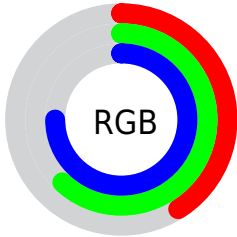
Format	Color
RYB	105, 138, 191
Decimal	6921919
CIELab	62.69, -8.65, -22.50
CIElCh	63, 24.104, 248.971
Yxy	31.2186, 0.2440, 0.2774
Android (android.graphics.Color)	4285111999 (0xFF699EBF)
YUV	145.9150, 22.2269, -35.8825
Hunter-Lab	55.8736, -10.0528, -18.0435

Details

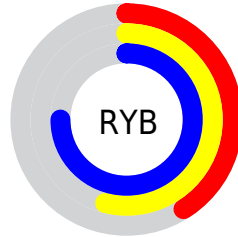
The Yxy color **31.2186, 0.2440, 0.2774** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.2861, 0.4095, 0.3744**, and the grayscale version is **28.6330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7775, 0.2575, 0.2888**, and **12.9996, 0.2232, 0.2617** is the 20% darker color. If you saturate the color by 10%, you get **27.7622, 0.2301, 0.2635**, and if you desaturate by 10%, it is **35.0863, 0.2588, 0.2906**.

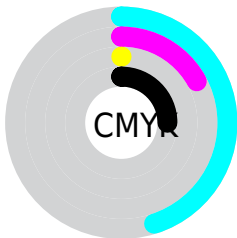
Distribution



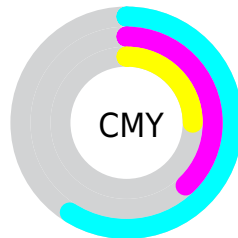
- Red (41%)
- Green (62%)
- Blue (75%)



- Red (41%)
- Yellow (54%)
- Blue (75%)



- Cyan (45%)
- Magenta (17%)
- Yellow (0%)
- Black (25%)



- Cyan (59%)
- Magenta (38%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2186, 0.2440, 0.2774 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 31.2186, 0.2440, 0.2774 by changing the saturation by 10% instead.

■ 31.2186, 0.2440,
0.2774

■ 31.2186, 0.2440,
0.2774

307.5441, 0.2797,
0.3050

■ 20.7654, 0.2347,
0.2700

■ 61.5841, 0.2572,
0.2879

■ 12.9526, 0.2227,
0.2601

■ 82.2651, 0.2621,
0.2917

■ 7.3959, 0.2065,
0.2465

■ 107.1242, 0.2662,
0.2948

■ 3.7109, 0.1835,
0.2266

■ 136.5457, 0.2697,
0.2975

■ 1.5132, 0.1494,
0.1954

170.9141, 0.2727,
0.2998

■ 0.2980, 0.0277,
0.1146

210.6137, 0.2754,

■ 0.0000, 0.0000,

0.3018

0.0000

256.0289, 0.2777,
0.3035

■ 31.2186, 0.2440,
0.2774

■ 31.2186, 0.2440,
0.2774

■ 27.7622, 0.2301,
0.2635

■ 35.0863, 0.2588,
0.2906

■ 24.6936, 0.2176,
0.2490

■ 39.3804, 0.2742,
0.3028

■ 21.9913, 0.2067,
0.2342

■ 44.1190, 0.2897,
0.3141

■ 19.6298, 0.1979,
0.2194

■ 49.3183, 0.3051,
0.3243

■ 17.5785, 0.1912,
0.2049

■ 54.9934, 0.3202,
0.3335

■ 16.6387, 0.1883,
0.1977

■ 61.1585, 0.3348,
0.3416

■ 67.8275, 0.3487,
0.3489

■ 74.4698, 0.3597,
0.3554

■ 78.3265, 0.3579,
0.3627

Harmonies

Analogous

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



31.2186, 0.2430, 0.3033



31.2186, 0.2440, 0.2774



31.2186, 0.2619, 0.2666

Triad

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



31.2186, 0.2440, 0.2774



31.2186, 0.3680, 0.3159



31.2186, 0.3281, 0.3959

Complementary

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



31.2186, 0.2440, 0.2774



30.2861, 0.4095, 0.3744

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.



31.2186, 0.3634, 0.3953



31.2186, 0.2440, 0.2774



31.2186, 0.3878, 0.3472

Square

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



31.2186, 0.2440, 0.2774



31.2186, 0.3328, 0.2888



31.2186, 0.3858, 0.3764



31.2186, 0.2900, 0.3749

Rectangle

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



31.2186, 0.2440, 0.2774



31.2186, 0.2819, 0.2680



31.2186, 0.3858, 0.3764



31.2186, 0.3407, 0.3982

Sweetspot

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



31.2198, 0.2440, 0.2774



80.6329, 0.2925, 0.3160



42.0980, 0.2854, 0.4136



17.2667, 0.2890, 0.3136



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.2198, 0.2440, 0.2774



49.8108, 0.2303, 0.2637



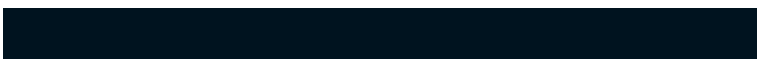
19.0470, 0.2317, 0.2065



10.1775, 0.2984, 0.3200



11.0957, 0.1888, 0.1997



0.5576, 0.1984, 0.2341

Inverse Universe

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



23.6573, 0.3573, 0.2584



35.8118, 0.3715, 0.2443



45.1286, 0.3839, 0.4272



9.6325, 0.3195, 0.3150



8.1498, 0.4457, 0.2229



0.3316, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 31.2186, 0.2440, 0.2774 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 31.2186, 0.2440, 0.2774 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

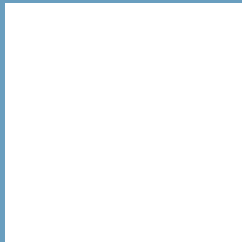
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2186, 0.2440, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 31.2186, 0.2440, 0.2774.

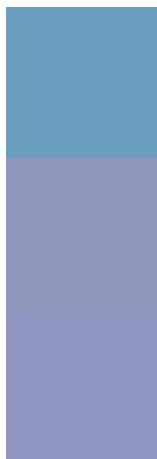


This preview shows how white text looks on a background with the Yxy color 31.2186, 0.2440, 0.2774.

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

31.2186, 0.2440, 0.2774

Protanopia

31.1551, 0.2757, 0.2771

Deuteranopia

30.9594, 0.2701, 0.2636



Tritanopia

31.2551, 0.2523, 0.3076

Trichromacy



Original Color

31.2186, 0.2440, 0.2774

Protanomaly

31.0374, 0.2628, 0.2774

Deuteranomaly

31.0081, 0.2599, 0.2691

Tritanomaly

31.2617, 0.2495, 0.2967

Monochromacy



Original Color

31.2186, 0.2440, 0.2774

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.2466, 0.2836, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2186, 0.2440, 0.2774 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(105, 158, 191)` looks like.

```
.text, #text, p{  
    color:rgb(105, 158, 191)  
}
```

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(105, 158, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 158, 191) }
```

Border

The CSS property to change the border of an element to Yxy 31.2186, 0.2440, 0.2774 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(105, 158, 191) }
```

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

```
.border{ border-color:rgb(105, 158, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 158, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 158, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 158, 191);  
box-shadow:4px 4px 4px 4px rgb(105, 158,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2186, 0.2440, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 158, 191) }
```

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

```
.background{ background-color: rgb(105,  
158, 191) }
```

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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