

Converting Colors

$Y_{xy}(34.6338, 0.2444, 0.2784)$

Have a look what the booklet for
Yxy(34.6338, 0.2444, 0.2784)
contains.

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Color

Yxy(34.7110, 0.2445, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	6EA6C7
RGB	110, 166, 199
RGB Percent	43%, 65%, 78%
CMY	0.5687, 0.3490, 0.2195
CMYK	0.45, 0.17, 0.00, 0.22
HSL	202°, 44%, 61%
HSV	202°, 45%, 78%
XYZ	30.3752, 34.7110, 59.1478
YIQ	153.0180, -43.9690, -1.6090

Conversions

Conversions Part 2

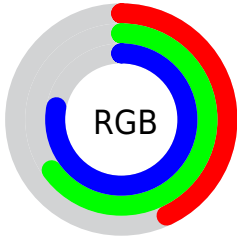
Format	Color
R _Y B	110, 144, 199
Decimal	7251655
CIE Lab	65.52, -9.55, -22.63
CIE LCh	66, 24.563, 247.129
Yxy	34.7110, 0.2445, 0.2794
Android (android.graphics.Color)	4285441735 (0xFF6EA6C7)
YUV	153.0180, 22.6691, -37.7268
Hunter-Lab	58.9160, -11.0742, -18.2820

Details

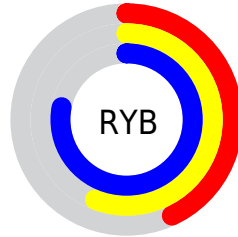
The Yxy color **34.7110, 0.2445, 0.2794** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **32.9154, 0.4099, 0.3728**, and the grayscale version is **31.7761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9322, 0.2575, 0.2901**, and **14.8912, 0.2245, 0.2632** is the 20% darker color. If you saturate the color by 10%, you get **30.9693, 0.2307, 0.2659**, and if you desaturate by 10%, it is **38.8960, 0.2592, 0.2921**.

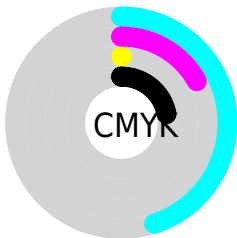
Distribution



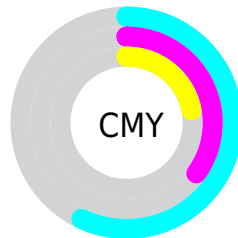
- Red (43%)
- Green (65%)
- Blue (78%)



- Red (43%)
- Yellow (56%)
- Blue (78%)



- Cyan (45%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)



- Cyan (57%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7110, 0.2445, 0.2794 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 34.7110, 0.2445, 0.2794 by changing the saturation by 10% instead.

■ 34.7110, 0.2445,
0.2794

■ 34.7110, 0.2445,
0.2794

■ 323.2909, 0.2793,
0.3056

■ 23.4403, 0.2357,
0.2725

■ 67.0378, 0.2573,
0.2892

■ 14.9190, 0.2243,
0.2634

■ 88.8628, 0.2620,
0.2928

■ 8.7625, 0.2091,
0.2510

■ 114.9746, 0.2661,
0.2958

■ 4.5866, 0.1880,
0.2332

■ 145.7577, 0.2695,
0.2984

■ 2.0068, 0.1572,
0.2059

■ 181.5965, 0.2725,
0.3005

■ 0.6114, 0.0902,
0.1583

■ 222.8754, 0.2750,

■ 0.0000, 0.0000,

0.3024

0.0000

269.9787, 0.2773,
0.3041

■ 34.7110, 0.2445,
0.2794

■ 34.7110, 0.2445,
0.2794

■ 30.9693, 0.2307,
0.2659

■ 38.8960, 0.2592,
0.2921

■ 27.6450, 0.2183,
0.2520

■ 43.5405, 0.2745,
0.3040

■ 24.7149, 0.2076,
0.2377

■ 48.6644, 0.2900,
0.3148

■ 22.1510, 0.1990,
0.2234

■ 54.2852, 0.3055,
0.3247

■ 19.9199, 0.1924,
0.2093

■ 60.4193, 0.3206,
0.3335

■ 18.8486, 0.1895,
0.2021

■ 67.0824, 0.3352,
0.3414

■ 74.2892, 0.3493,
0.3484

■ 79.2612, 0.3520,
0.3555

■ 83.3395, 0.3505,
0.3627

Harmonies

Analogous

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



34.7110, 0.2446, 0.3057



34.7110, 0.2445, 0.2794



34.7110, 0.2612, 0.2678

Triad

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



34.7110, 0.2445, 0.2794



34.7110, 0.3653, 0.3143



34.7110, 0.3302, 0.3954

Complementary

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



34.7110, 0.2445, 0.2794



32.9154, 0.4099, 0.3728

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.



34.7110, 0.3644, 0.3936



34.7110, 0.2445, 0.2794



34.7110, 0.3860, 0.3451

Square

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



34.7110, 0.2445, 0.2794



34.7110, 0.3301, 0.2880



34.7110, 0.3853, 0.3741



34.7110, 0.2926, 0.3759

Rectangle

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



34.7110, 0.2445, 0.2794



34.7110, 0.2804, 0.2685



34.7110, 0.3853, 0.3741



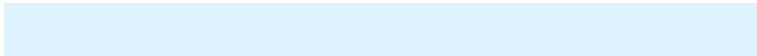
34.7110, 0.3425, 0.3971

Sweetspot

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



34.7123, 0.2445, 0.2794



86.6520, 0.2925, 0.3164



46.1448, 0.2864, 0.4157



18.0947, 0.2890, 0.3141



0.0000, 0.0000, 0.0000



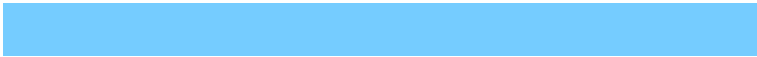
21.4041, 0.3127, 0.3290

Same Dimension

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



34.7123, 0.2445, 0.2794



54.1788, 0.2307, 0.2659



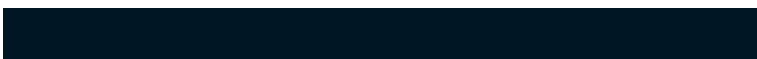
21.3201, 0.2323, 0.2092



11.3808, 0.2984, 0.3202



12.2888, 0.1900, 0.2040



0.7172, 0.1981, 0.2330

Inverse Universe

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



26.0457, 0.3557, 0.2572



38.4092, 0.3696, 0.2426



48.8770, 0.3845, 0.4254



10.7473, 0.3193, 0.3146



8.7805, 0.4408, 0.2202



0.4294, 0.4095, 0.2030

Previews

White Background



This preview shows how the Yxy color 34.7110, 0.2445, 0.2794 looks on a white background.

Color Contrast Check

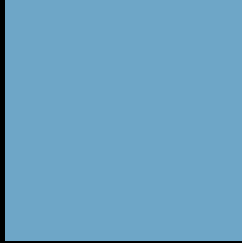
Large Text (above 18pt) WCAG AA × Fail

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 34.7110, 0.2445, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

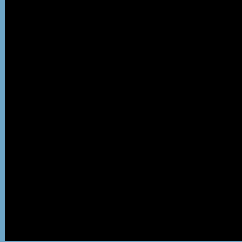
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

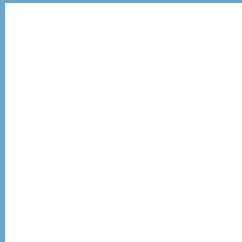
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7110, 0.2445, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 34.7110, 0.2445, 0.2794.

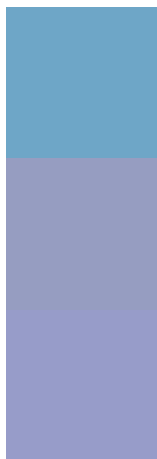


This preview shows how white text looks on a background with the Yxy color 34.7110, 0.2445, 0.2794.

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

34.7110, 0.2445, 0.2794

Protanopia

34.4482, 0.2763, 0.2778

Deuteranopia

34.5733, 0.2710, 0.2663



Tritanopia

34.7566, 0.2526, 0.3085

Trichromacy



Original Color

34.7110, 0.2445, 0.2794

Protanomaly

34.2326, 0.2631, 0.2779

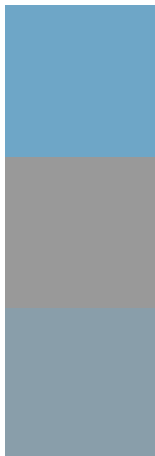
Deuteranomaly

34.5460, 0.2605, 0.2715

Tritanomaly

34.7619, 0.2498, 0.2980

Monochromacy



Original Color

34.7110, 0.2445, 0.2794

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.6744, 0.2832, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7110, 0.2445, 0.2794 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(110, 166, 199)` looks like.

```
.text, #text, p{  
    color:rgb(110, 166, 199)  
}
```

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(110, 166, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 166, 199) }
```

Border

The CSS property to change the border of an element to Yxy 34.7110, 0.2445, 0.2794 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(110, 166, 199) }
```

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

```
.border{ border-color:rgb(110, 166, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 166, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 166, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 166, 199);  
box-shadow:4px 4px 4px 4px rgb(110, 166,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7110, 0.2445, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 166, 199) }
```

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

```
.background{ background-color: rgb(110,  
166, 199) }
```

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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