

Converting Colors

$Yxy(34.1458, 0.2391, 0.2438)$

Have a look what the booklet for
Yxy(34.1458, 0.2391, 0.2438)
contains.

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Color

Yxy(34.1745, 0.2388, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	7B9FDC
RGB	123, 159, 220
RGB Percent	48%, 62%, 86%
CMY	0.5180, 0.3764, 0.1373
CMYK	0.44, 0.28, 0.00, 0.14
HSL	218°, 58%, 67%
HSV	218°, 44%, 86%
XYZ	33.4736, 34.1745, 72.5262
YIQ	155.1900, -41.0370, 11.3390

Conversions

Conversions Part 2

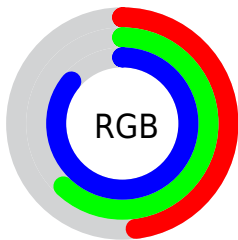
Format	Color
R _Y B	123, 149, 220
Decimal	8101852
CIE Lab	65.10, 3.52, -34.84
CIE LCh	65, 35.015, 275.773
Yxy	34.1745, 0.2388, 0.2438
Android (android.graphics.Color)	4286291932 (0xFF7B9FDC)
YUV	155.1900, 31.9513, -28.2306
Hunter-Lab	58.4590, -0.0940, -32.6359

Details

The Yxy color **34.1745, 0.2388, 0.2438** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.8701, 0.3954, 0.4007**, and the grayscale version is **32.7305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3922, 0.2643, 0.2816**, and **14.6707, 0.2174, 0.2194** is the 20% darker color. If you saturate the color by 10%, you get **28.2430, 0.2216, 0.2201**, and if you desaturate by 10%, it is **41.0041, 0.2564, 0.2662**.

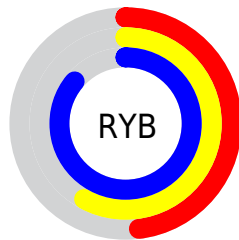
Distribution



Red (48%)

Green (62%)

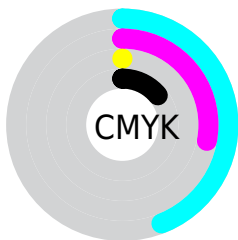
Blue (86%)



Red (48%)

Yellow (58%)

Blue (86%)

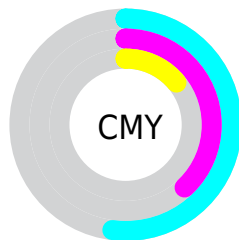


Cyan (44%)

Magenta (28%)

Yellow (0%)

Black (14%)



Cyan (52%)


Magenta (38%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1745, 0.2388, 0.2438 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 34.1745, 0.2388, 0.2438 by changing the saturation by 10% instead.


 34.1745, 0.2388,
0.2438


 34.1745, 0.2388,
0.2438


320.9094, 0.2766,
0.2869


 23.0277, 0.2293,
0.2331

 66.2049, 0.2526,
0.2594

 14.6140, 0.2172,
0.2196


 87.8574, 0.2578,
0.2653

 8.5489, 0.2012,
0.2018


 113.7804, 0.2621,
0.2703

 4.4481, 0.1794,
0.1779

144.3585, 0.2659,
0.2746

 1.9273, 0.1486,
0.1446

179.9761, 0.2691,
0.2783

 0.5647, 0.1020,
0.0925

221.0175, 0.2719,

 0.0000, 0.0000,

0.2815

0.0000

267.8672, 0.2744,
0.2843

■ 34.1745, 0.2388,
0.2438

■ 34.1745, 0.2388,
0.2438

■ 28.2430, 0.2216,
0.2201

■ 41.0041, 0.2564,
0.2662

■ 23.1636, 0.2053,
0.1957

■ 48.7669, 0.2738,
0.2869

■ 18.8915, 0.1909,
0.1715

■ 57.5007, 0.2906,
0.3058

■ 15.3751, 0.1789,
0.1484

■ 67.2399, 0.3065,
0.3226

■ 12.5545, 0.1698,
0.1274

■ 78.0170, 0.3213,
0.3376

■ 11.1742, 0.1656,
0.1163

■ 89.8631, 0.3351,
0.3507

■ 97.9461, 0.3334,
0.3631

Harmonies

Analogous

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



34.1745, 0.2173, 0.2593



34.1745, 0.2388, 0.2438



34.1745, 0.2802, 0.2485

Triad

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



34.1745, 0.2388, 0.2438



34.1745, 0.4174, 0.3474



34.1745, 0.2853, 0.4001

Complementary

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



34.1745, 0.2388, 0.2438



50.8701, 0.3954, 0.4007

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.



34.1745, 0.3384, 0.4266



34.1745, 0.2388, 0.2438



34.1745, 0.4169, 0.3887

Square

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



34.1745, 0.2388, 0.2438



34.1745, 0.3862, 0.3056



34.1745, 0.3869, 0.4196



34.1745, 0.2420, 0.3488

Rectangle

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



34.1745, 0.2388, 0.2438



34.1745, 0.3156, 0.2615



34.1745, 0.3869, 0.4196



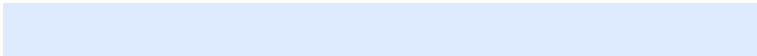
34.1745, 0.3026, 0.4126

Sweetspot

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



34.1758, 0.2388, 0.2438



81.6745, 0.2922, 0.3076



58.7895, 0.2730, 0.3796



16.8678, 0.2886, 0.3036



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.



34.1758, 0.2388, 0.2438



39.9972, 0.2227, 0.2217



24.4014, 0.2387, 0.1951



13.4067, 0.2981, 0.3139



6.7559, 0.1664, 0.1191



0.5996, 0.1756, 0.1520

Inverse Universe

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



31.8629, 0.3845, 0.2860



37.5638, 0.4083, 0.2778



66.1079, 0.3690, 0.4407



13.1312, 0.3234, 0.3203



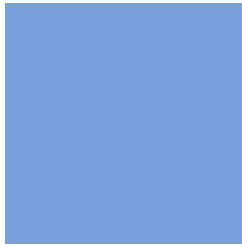
9.3058, 0.5480, 0.2792



0.6192, 0.5034, 0.2547

Previews

White Background



This preview shows how the Yxy color 34.1745, 0.2388, 0.2438 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 34.1745, 0.2388, 0.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

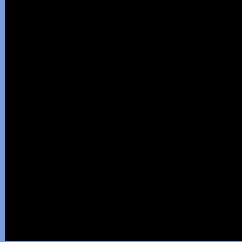
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

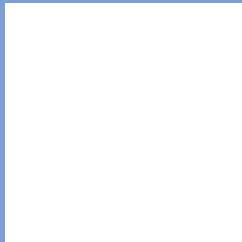
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1745, 0.2388, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 34.1745, 0.2388, 0.2438.



This preview shows how white text looks on a background with the Yxy color 34.1745, 0.2388, 0.2438.

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

34.1745, 0.2388, 0.2438

Protanopia

33.9414, 0.2507, 0.2438

Deuteranopia

34.2316, 0.2463, 0.2402



Tritanopia

34.3775, 0.2579, 0.3085

Trichromacy



Original Color

34.1745, 0.2388, 0.2438

Protanomaly

33.8254, 0.2460, 0.2432

Deuteranomaly

34.1597, 0.2431, 0.2409

Tritanomaly

34.2041, 0.2503, 0.2823

Monochromacy



Original Color

34.1745, 0.2388, 0.2438

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.8712, 0.2810, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1745, 0.2388, 0.2438 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(123, 159, 220)` looks like.

```
.text, #text, p{  
    color:rgb(123, 159, 220)  
}
```

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(123, 159, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 159, 220) }
```

Border

The CSS property to change the border of an element to Yxy 34.1745, 0.2388, 0.2438 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(123, 159, 220) }
```

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

```
.border{ border-color:rgb(123, 159, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 159, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 159, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 159, 220);  
box-shadow:4px 4px 4px 4px rgb(123, 159,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1745, 0.2388, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 159, 220) }
```

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

```
.background{ background-color: rgb(123,  
159, 220) }
```

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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