

Converting Colors

$Y_{xy}(33.3385, 0.2215, 0.2339)$

Have a look what the booklet for
Yxy(33.3385, 0.2215, 0.2339)
contains.

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Color

Yxy(33.3403, 0.2218, 0.2342)

Conversions

Conversions Part 1

Format	Color
Hex	63A0E3
RGB	99, 160, 227
RGB Percent	39%, 63%, 89%
CMY	0.6120, 0.3725, 0.1098
CMYK	0.56, 0.30, 0.00, 0.11
HSL	211°, 70%, 64%
HSV	211°, 56%, 89%
XYZ	31.5751, 33.3403, 77.4429
YIQ	149.3990, -57.8630, 7.9050

Conversions

Conversions Part 2

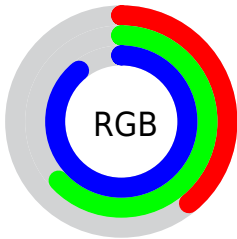
Format	Color
R _Y B	99, 140, 227
Decimal	6529251
CIE Lab	64.44, -0.42, -39.85
CIE LCh	64, 39.847, 269.402
Yxy	33.3403, 0.2218, 0.2342
Android (android.graphics.Color)	4284719331 (0xFF63A0E3)
YUV	149.3990, 38.2573, -44.1999
Hunter-Lab	57.7411, -3.4361, -39.1016

Details

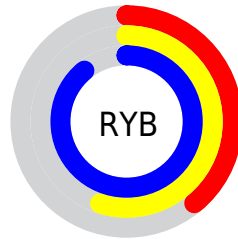
The Yxy color **33.3403, 0.2218, 0.2342** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.4711, 0.4327, 0.4047**, and the grayscale version is **30.0798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0900, 0.2527, 0.2825**, and **14.1689, 0.1965, 0.2080** is the 20% darker color. If you saturate the color by 10%, you get **28.3164, 0.2074, 0.2137**, and if you desaturate by 10%, it is **39.1189, 0.2375, 0.2540**.

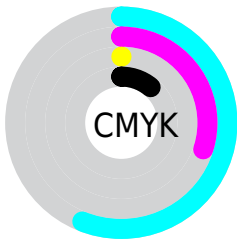
Distribution



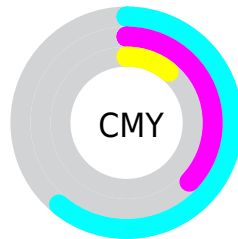
- Red (39%)
- Green (63%)
- Blue (89%)



- Red (39%)
- Yellow (55%)
- Blue (89%)



- Cyan (56%)
- Magenta (30%)
- Yellow (0%)
- Black (11%)





- Cyan (61%)
- Magenta (37%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3403, 0.2218, 0.2342 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 33.3403, 0.2218, 0.2342 by changing the saturation by 10% instead.


 33.3403, 0.2218,
0.2342


 33.3403, 0.2218,
0.2342


317.1804, 0.2678,
0.2822

 22.3873, 0.2105,
0.2224


 64.9065, 0.2385,
0.2516


 14.1417, 0.1962,
0.2074


 86.2884, 0.2447,
0.2582

 8.2193, 0.1776,
0.1879


 111.9154, 0.2501,
0.2637

 4.2356, 0.1530,
0.1621

 142.1718, 0.2546,
0.2685

 1.8062, 0.1196,
0.1271

177.4422, 0.2586,
0.2726

 0.4910, 0.0681,
0.0732

218.1108, 0.2620,

 0.0000, 0.0000,

0.2762

0.0000

264.5620, 0.2651,
0.2794

■ 33.3403, 0.2218,
0.2342

■ 33.3403, 0.2218,
0.2342

■ 28.3164, 0.2074,
0.2137

■ 39.1189, 0.2375,
0.2540

■ 24.0017, 0.1948,
0.1932

■ 45.6865, 0.2539,
0.2728

■ 20.3497, 0.1845,
0.1732

■ 53.0791, 0.2705,
0.2903

■ 17.3029, 0.1768,
0.1544

■ 61.3293, 0.2869,
0.3062

■ 16.3287, 0.1744,
0.1479

■ 70.4675, 0.3029,
0.3206

■ 80.5225, 0.3181,
0.3334

■ 90.9813, 0.3305,
0.3449

■ 98.3237, 0.3292,
0.3562

■ 98.3260, 0.3292,
0.3562

Harmonies

Analogous

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



33.3403, 0.2031, 0.2560



33.3403, 0.2218, 0.2342



33.3403, 0.2637, 0.2354

Triad

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



33.3403, 0.2218, 0.2342



33.3403, 0.4282, 0.3384



33.3403, 0.2930, 0.4214

Complementary

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



33.3403, 0.2218, 0.2342



44.4711, 0.4327, 0.4047

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.



33.3403, 0.3537, 0.4430



33.3403, 0.2218, 0.2342



33.3403, 0.4350, 0.3859

Square

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



33.3403, 0.2218, 0.2342



33.3403, 0.3856, 0.2927



33.3403, 0.4063, 0.4259



33.3403, 0.2407, 0.3652

Rectangle

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



33.3403, 0.2218, 0.2342



33.3403, 0.3022, 0.2474



33.3403, 0.4063, 0.4259



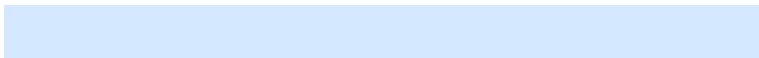
33.3403, 0.3132, 0.4333

Sweetspot

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



33.3415, 0.2218, 0.2342



79.0625, 0.2858, 0.3052



60.3065, 0.2719, 0.4161



16.4415, 0.2825, 0.3021



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.



33.3415, 0.2218, 0.2342



35.6569, 0.2047, 0.2096



17.2266, 0.2048, 0.1489



15.0156, 0.2981, 0.3164



9.7535, 0.1752, 0.1506



0.9058, 0.1827, 0.1778

Inverse Universe

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



27.7796, 0.3983, 0.2605



29.9259, 0.4273, 0.2510



71.8230, 0.3918, 0.4634



14.4819, 0.3218, 0.3178



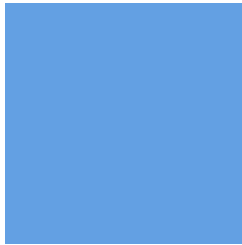
10.1823, 0.5051, 0.2556



0.7711, 0.4712, 0.2369

Previews

White Background



This preview shows how the Yxy color 33.3403, 0.2218, 0.2342 looks on a white background.

Color Contrast Check

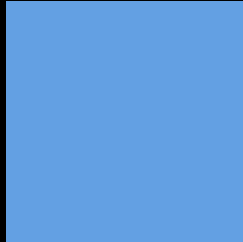
Large Text (above 18pt) WCAG AA × Fail

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 33.3403, 0.2218, 0.2342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

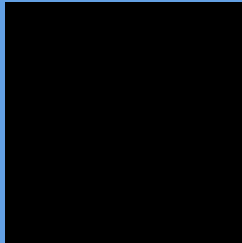
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

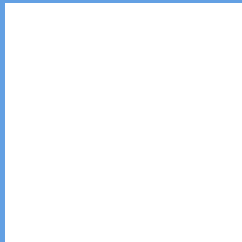
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3403, 0.2218, 0.2342

Background



This preview shows how black text looks on a background with the Yxy color 33.3403, 0.2218, 0.2342.

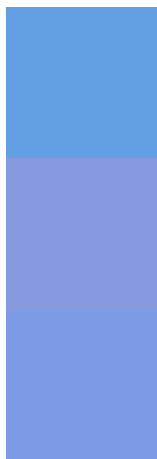


This preview shows how white text looks on a background with the Yxy color 33.3403, 0.2218, 0.2342.

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

33.3403, 0.2218, 0.2342

Protanopia

33.0713, 0.2442, 0.2357

Deuteranopia

33.0726, 0.2345, 0.2280



Tritanopia

33.5027, 0.2390, 0.3077

Trichromacy



Original Color

33.3403, 0.2218, 0.2342

Protanomaly

33.1696, 0.2351, 0.2357

Deuteranomaly

33.0914, 0.2295, 0.2294

Tritanomaly

33.4244, 0.2327, 0.2793

Monochromacy



Original Color

33.3403, 0.2218, 0.2342

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.7821, 0.2719, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3403, 0.2218, 0.2342 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(99, 160, 227)` looks like.

```
.text, #text, p{  
  color:rgb(99, 160, 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(99, 160, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 160, 227) }
```

Border

The CSS property to change the border of an element to Yxy 33.3403, 0.2218, 0.2342 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(99, 160, 227) }
```

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

```
.border{ border-color:rgb(99, 160, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 160, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 160, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 160, 227);  
box-shadow:4px 4px 4px 4px rgb(99, 160,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3403, 0.2218, 0.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 160, 227) }
```

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

```
.background{ background-color: rgb(99, 160,  
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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