

Converting Colors

$Y_{xy}(39.6092, 0.2393, 0.2664)$

Have a look what the booklet for
Yxy(39.6092, 0.2393, 0.2664)
contains.

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Color

Yxy(39.6092, 0.2393, 0.2664)

Conversions

Conversions Part 1

Format	Color
Hex	75AFDC
RGB	117, 175, 220
RGB Percent	46%, 69%, 86%
CMY	0.5414, 0.3137, 0.1372
CMYK	0.47, 0.20, 0.00, 0.14
HSL	206°, 60%, 66%
HSV	206°, 47%, 86%
XYZ	35.5799, 39.6092, 73.4941
YIQ	162.7880, -49.0130, 1.6990

Conversions

Conversions Part 2

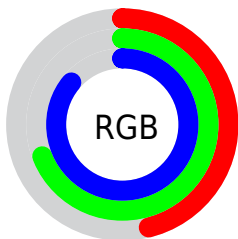
Format	Color
R _Y B	117, 154, 220
Decimal	7712732
CIE Lab	69.19, -6.85, -28.56
CIE LCh	69, 29.369, 256.515
Yxy	39.6092, 0.2393, 0.2664
Android (android.graphics.Color)	4285902812 (0xFF75AFDC)
YUV	162.7880, 28.2055, -40.1561
Hunter-Lab	62.9358, -9.2253, -25.1815

Details

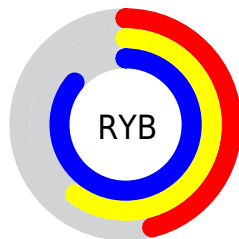
The Yxy color **39.6092, 0.2393, 0.2664** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.3239, 0.4129, 0.3829**, and the grayscale version is **36.3977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6979, 0.2632, 0.3009**, and **17.8432, 0.2192, 0.2485** is the 20% darker color. If you saturate the color by 10%, you get **34.6546, 0.2249, 0.2501**, and if you desaturate by 10%, it is **45.1909, 0.2547, 0.2819**.

Distribution



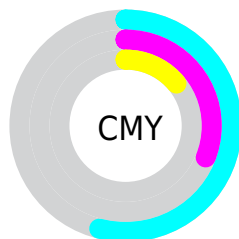
- Red (46%)
- Green (69%)
- Blue (86%)



- Red (46%)
- Yellow (60%)
- Blue (86%)



- Cyan (47%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (54%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6092, 0.2393, 0.2664 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 39.6092, 0.2393, 0.2664 by changing the saturation by 10% instead.

■ 39.6092, 0.2393,
0.2664

■ 39.6092, 0.2393,
0.2664

■ 344.4736, 0.2759,
0.2983

■ 27.2340, 0.2304,
0.2584

■ 74.5680, 0.2525,
0.2780

■ 17.7490, 0.2190,
0.2481

■ 97.9205, 0.2575,
0.2824

■ 10.7699, 0.2042,
0.2345

■ 125.7007, 0.2617,
0.2861

■ 5.9124, 0.1843,
0.2159

■ 158.2932, 0.2653,
0.2892

■ 2.7919, 0.1564,
0.1890

■ 196.0824, 0.2685,
0.2920

■ 1.0241, 0.1159,
0.1484

■ 239.4526, 0.2712,

■ 0.0000, 0.0000,

0.2943

0.0000

288.7882, 0.2737,
0.2964

■ 39.6092, 0.2393,
0.2664

■ 39.6092, 0.2393,
0.2664

■ 34.6546, 0.2249,
0.2501

■ 45.1909, 0.2547,
0.2819

■ 30.2917, 0.2118,
0.2331

■ 51.4236, 0.2705,
0.2963

■ 26.4874, 0.2005,
0.2160

■ 58.3350, 0.2865,
0.3095

■ 23.2021, 0.1915,
0.1991

■ 65.9497, 0.3022,
0.3215

■ 20.3862, 0.1846,
0.1827

■ 74.2909, 0.3175,
0.3323

■ 19.5720, 0.1827,
0.1777

■ 83.3805, 0.3321,
0.3418

■ 90.0873, 0.3350,
0.3510

■ 95.9653, 0.3337,
0.3602

■ 97.9484, 0.3333,
0.3631

Harmonies

Analogous

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



39.6092, 0.2334, 0.2910



39.6092, 0.2393, 0.2664



39.6092, 0.2634, 0.2591

Triad

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



39.6092, 0.2393, 0.2664



39.6092, 0.3827, 0.3226



39.6092, 0.3187, 0.4012

Complementary

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



39.6092, 0.2393, 0.2664



42.3239, 0.4129, 0.3829

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.



39.6092, 0.3603, 0.4062



39.6092, 0.2393, 0.2664



39.6092, 0.3991, 0.3576

Square

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



39.6092, 0.2393, 0.2664



39.6092, 0.3461, 0.2908



39.6092, 0.3903, 0.3885



39.6092, 0.2772, 0.3719

Rectangle

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



39.6092, 0.2393, 0.2664



39.6092, 0.2879, 0.2635



39.6092, 0.3903, 0.3885



39.6092, 0.3331, 0.4057

Sweetspot

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



39.6107, 0.2393, 0.2664



84.3013, 0.2908, 0.3129



57.5698, 0.2815, 0.4112



17.5642, 0.2874, 0.3102



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.



39.6107, 0.2393, 0.2664



48.6629, 0.2254, 0.2507



23.3139, 0.2257, 0.1918



13.8283, 0.2982, 0.3185



11.7098, 0.1834, 0.1801



0.9290, 0.1908, 0.2067

Inverse Universe

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



31.0228, 0.3668, 0.2609



36.7271, 0.3834, 0.2486



64.1652, 0.3849, 0.4367



13.1738, 0.3204, 0.3159



9.8059, 0.4684, 0.2354



0.6525, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 39.6092, 0.2393, 0.2664 looks on a white background.

Color Contrast Check

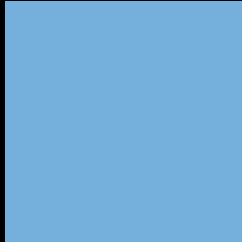
Large Text (above 18pt) WCAG AA × Fail

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 39.6092, 0.2393, 0.2664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

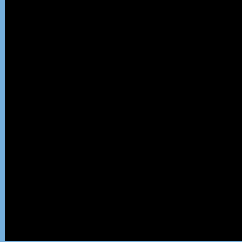
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6092, 0.2393, 0.2664

Background



This preview shows how black text looks on a background with the Yxy color 39.6092, 0.2393, 0.2664.

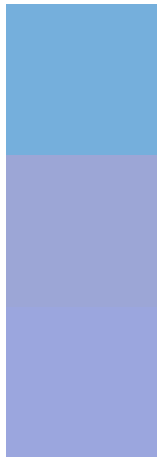


This preview shows how white text looks on a background with the Yxy color 39.6092, 0.2393, 0.2664.

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

39.6092, 0.2393, 0.2664

Protanopia

39.1954, 0.2672, 0.2652

Deuteranopia

39.5149, 0.2612, 0.2558



Tritanopia

39.7888, 0.2506, 0.3080

Trichromacy



Original Color

39.6092, 0.2393, 0.2664

Protanomaly

39.0846, 0.2561, 0.2653

Deuteranomaly

39.2591, 0.2524, 0.2592

Tritanomaly

39.5973, 0.2466, 0.2925

Monochromacy



Original Color

39.6092, 0.2393, 0.2664

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.2091, 0.2808, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6092, 0.2393, 0.2664 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(117, 175, 220)` looks like.

```
.text, #text, p{  
    color:rgb(117, 175, 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(117, 175, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 175, 220) }
```

Border

The CSS property to change the border of an element to Yxy 39.6092, 0.2393, 0.2664 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(117, 175, 220) }
```

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

```
.border{ border-color:rgb(117, 175, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 175, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 175, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 175, 220); box-shadow:4px 4px 4px 4px rgb(117, 175, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6092, 0.2393, 0.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 175, 220) }
```

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

```
.background{ background-color: rgb(117,  
175, 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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