

Converting Colors

$Y_{xy}(39.3558, 0.2362, 0.2508)$

Have a look what the booklet for
Yxy(39.3558, 0.2362, 0.2508)
contains.

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Color

Yxy(39.3558, 0.2362, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	7AACE6
RGB	122, 172, 230
RGB Percent	48%, 67%, 90%
CMY	0.5214, 0.3255, 0.0981
CMYK	0.47, 0.25, 0.00, 0.10
HSL	212°, 68%, 69%
HSV	212°, 47%, 90%
XYZ	37.0648, 39.3558, 80.5005
YIQ	163.6620, -48.4180, 7.4380

Conversions

Conversions Part 2

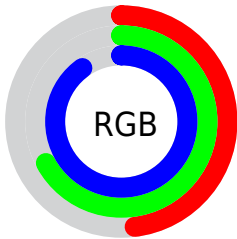
Format	Color
RYB	122, 156, 230
Decimal	8039654
CIELab	69.01, -1.12, -34.28
CIELCh	69, 34.299, 268.130
Yxy	39.3558, 0.2362, 0.2508
Android (android.graphics.Color)	4286229734 (0xFF7AACE6)
YUV	163.6620, 32.7046, -36.5376
Hunter-Lab	62.7342, -4.3231, -32.1670

Details

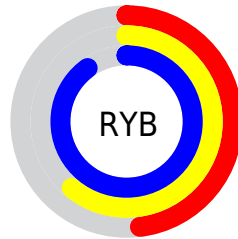
The Yxy color **39.3558, 0.2362, 0.2508** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.8872, 0.4073, 0.3949**, and the grayscale version is **36.8193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7419, 0.2661, 0.2978**, and **17.6128, 0.2155, 0.2296** is the 20% darker color. If you saturate the color by 10%, you get **33.3848, 0.2204, 0.2303**, and if you desaturate by 10%, it is **46.1643, 0.2528, 0.2702**.

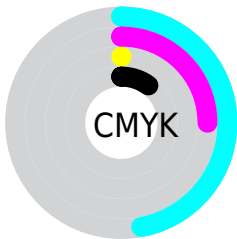
Distribution



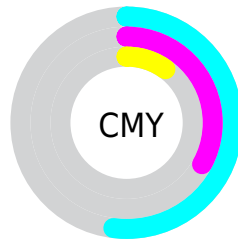
- Red (48%)
- Green (67%)
- Blue (90%)



- Red (48%)
- Yellow (61%)
- Blue (90%)



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)
- Black (10%)



- Cyan (52%)
- Magenta (33%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3558, 0.2362, 0.2508 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 39.3558, 0.2362, 0.2508 by changing the saturation by 10% instead.

■ 39.3558, 0.2362,
0.2508

■ 39.3558, 0.2362,
0.2508

■ 343.4008, 0.2743,
0.2899

■ 27.0366, 0.2269,
0.2412

■ 74.1815, 0.2499,
0.2649

■ 17.6007, 0.2152,
0.2292

■ 97.4569, 0.2551,
0.2702

■ 10.6637, 0.2000,
0.2135

■ 125.1531, 0.2595,
0.2747

■ 5.8412, 0.1797,
0.1924

■ 157.6546, 0.2633,
0.2786

■ 2.7488, 0.1517,
0.1632

■ 195.3457, 0.2666,
0.2820

■ 1.0020, 0.1121,
0.1217

■ 238.6109, 0.2695,

■ 0.0000, 0.0000,

0.2849

0.0000

287.8344, 0.2720,
0.2875

■ 39.3558, 0.2362,
0.2508

■ 39.3558, 0.2362,
0.2508

■ 33.3848, 0.2204,
0.2303

■ 46.1643, 0.2528,
0.2702

■ 28.2067, 0.2058,
0.2093

■ 53.8431, 0.2695,
0.2883

■ 23.7784, 0.1932,
0.1882

■ 62.4281, 0.2860,
0.3048

■ 20.0489, 0.1829,
0.1678

■ 71.9517, 0.3020,
0.3196

■ 16.9562, 0.1752,
0.1487

■ 82.4446, 0.3173,
0.3329

■ 16.1092, 0.1731,
0.1432

■ 92.9673, 0.3283,
0.3448

■ 98.4928, 0.3274,
0.3532

Harmonies

Analogous

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



39.3558, 0.2211, 0.2709



39.3558, 0.2362, 0.2508



39.3558, 0.2709, 0.2504

Triad

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



39.3558, 0.2362, 0.2508



39.3558, 0.4057, 0.3364



39.3558, 0.2996, 0.4041

Complementary

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



39.3558, 0.2362, 0.2508



50.8872, 0.4073, 0.3949

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.



39.3558, 0.3496, 0.4212



39.3558, 0.2362, 0.2508



39.3558, 0.4132, 0.3761

Square

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



39.3558, 0.2362, 0.2508



39.3558, 0.3703, 0.2979



39.3558, 0.3917, 0.4084



39.3558, 0.2554, 0.3608

Rectangle

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



39.3558, 0.2362, 0.2508



39.3558, 0.3025, 0.2600



39.3558, 0.3917, 0.4084



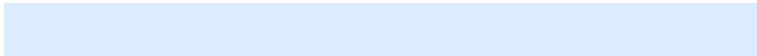
39.3558, 0.3163, 0.4133

Sweetspot

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



39.3573, 0.2362, 0.2508



82.2138, 0.2907, 0.3092



64.0106, 0.2757, 0.3963



17.0562, 0.2872, 0.3058



0.0000, 0.0000, 0.0000



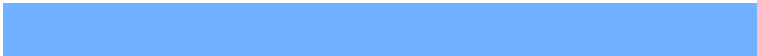
21.4041, 0.3127, 0.3290

Same Dimension

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



39.3573, 0.2362, 0.2508



42.6299, 0.2213, 0.2316



24.0510, 0.2261, 0.1825



14.9808, 0.2981, 0.3160



9.3598, 0.1739, 0.1460



0.8759, 0.1816, 0.1736

Inverse Universe

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



33.7302, 0.3799, 0.2724



36.1181, 0.4007, 0.2625



74.2291, 0.3792, 0.4446



14.4784, 0.3220, 0.3182



10.1426, 0.5111, 0.2589



0.7681, 0.4762, 0.2397

Previews

White Background



This preview shows how the Yxy color 39.3558, 0.2362, 0.2508 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 39.3558, 0.2362, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

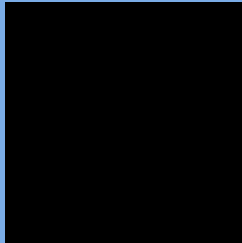
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

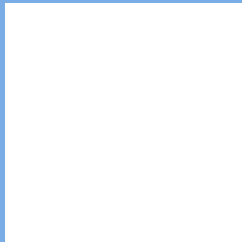
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3558, 0.2362, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 39.3558, 0.2362, 0.2508.



This preview shows how white text looks on a background with the Yxy color 39.3558, 0.2362, 0.2508.

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

39.3558, 0.2362, 0.2508

Protanopia

39.2880, 0.2564, 0.2519

Deuteranopia

39.2450, 0.2500, 0.2447



Tritanopia

39.4700, 0.2521, 0.3080

Trichromacy



Original Color

39.3558, 0.2362, 0.2508

Protanomaly

39.1268, 0.2480, 0.2508

Deuteranomaly

39.1781, 0.2444, 0.2461

Tritanomaly

39.1517, 0.2461, 0.2857

Monochromacy



Original Color

39.3558, 0.2362, 0.2508

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6578, 0.2802, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3558, 0.2362, 0.2508 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(122, 172, 230)` looks like.

```
.text, #text, p{  
    color:rgb(122, 172, 230)  
}
```

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(122, 172, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 172, 230) }
```

Border

The CSS property to change the border of an element to Yxy 39.3558, 0.2362, 0.2508 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(122, 172, 230) }
```

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

```
.border{ border-color:rgb(122, 172, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 172, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 172, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 172, 230);  
box-shadow:4px 4px 4px 4px rgb(122, 172,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3558, 0.2362, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 172, 230) }
```

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

```
.background{ background-color: rgb(122,  
172, 230) }
```

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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