

Converting Colors

$Y_{xy}(37.5940, 0.2264, 0.2591)$

Have a look what the booklet for
Yxy(37.5940, 0.2264, 0.2591)
contains.

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Color

Yxy(37.5940, 0.2264, 0.2591)

Conversions

Conversions Part 1

Format	Color
Hex	5FADDE
RGB	95, 173, 222
RGB Percent	37%, 68%, 87%
CMY	0.6275, 0.3216, 0.1293
CMYK	0.57, 0.22, 0.00, 0.13
HSL	203°, 66%, 62%
HSV	203°, 57%, 87%
XYZ	32.8494, 37.5940, 74.6512
YIQ	155.2640, -62.2170, -1.2970

Conversions

Conversions Part 2

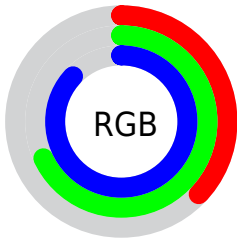
Format	Color
R_{YB}	95, 143, 222
Decimal	6270430
CIE _{Lab}	67.72, -9.98, -32.01
CIE _{LCh}	68, 33.529, 252.688
Yxy	37.5940, 0.2264, 0.2591
Android (android.graphics.Color)	4284460510 (0xFF5FADDE)
YUV	155.2640, 32.9008, -52.8515
Hunter-Lab	61.3139, -11.6667, -29.2672

Details

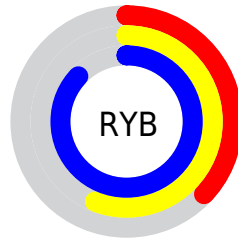
The Yxy color **37.5940, 0.2264, 0.2591** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **36.3119, 0.4482, 0.3859**, and the grayscale version is **32.7736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5768, 0.2531, 0.2978**, and **16.6469, 0.2028, 0.2384** is the 20% darker color. If you saturate the color by 10%, you get **33.3896, 0.2142, 0.2443**, and if you desaturate by 10%, it is **42.3507, 0.2401, 0.2734**.

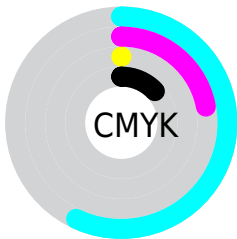
Distribution



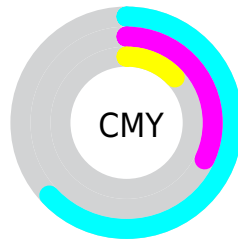
- Red (37%)
- Green (68%)
- Blue (87%)



- Red (37%)
- Yellow (56%)
- Blue (87%)



- Cyan (57%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)



- Cyan (63%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5940, 0.2264, 0.2591 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 37.5940, 0.2264, 0.2591 by changing the saturation by 10% instead.

■ 37.5940, 0.2264,
0.2591

■ 37.5940, 0.2264,
0.2591

■ 335.8751, 0.2694,
0.2950

■ 25.6677, 0.2159,
0.2500

■ 71.4854, 0.2419,
0.2723

■ 16.5752, 0.2027,
0.2384

■ 94.2194, 0.2477,
0.2772

■ 9.9321, 0.1857,
0.2229

■ 121.3246, 0.2527,
0.2813

■ 5.3540, 0.1629,
0.2018

■ 153.1857, 0.2570,
0.2849

■ 2.4564, 0.1318,
0.1716

■ 190.1868, 0.2607,
0.2879

■ 0.8547, 0.0849,
0.1276

■ 232.7125, 0.2639,

■ 0.0000, 0.0000,

0.2906

0.0000

281.1472, 0.2668,
0.2929

■ 37.5940, 0.2264,
0.2591

■ 37.5940, 0.2264,
0.2591

■ 33.3896, 0.2142,
0.2443

■ 42.3507, 0.2401,
0.2734

■ 29.6997, 0.2037,
0.2292

■ 47.6854, 0.2549,
0.2870

■ 26.4871, 0.1954,
0.2143

■ 53.6270, 0.2703,
0.2997

■ 23.7014, 0.1892,
0.1997

■ 60.2006, 0.2860,
0.3114

■ 22.9801, 0.1877,
0.1957

■ 67.4298, 0.3016,
0.3220

75.3369, 0.3169,
0.3316

83.9426, 0.3318,
0.3401

89.7722, 0.3339,
0.3483

94.9804, 0.3328,
0.3565

Harmonies

Analogous

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



37.5940, 0.2224, 0.2892



37.5940, 0.2264, 0.2591



37.5940, 0.2513, 0.2488

Triad

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



37.5940, 0.2264, 0.2591



37.5940, 0.3898, 0.3161



37.5940, 0.3254, 0.4162

Complementary

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



37.5940, 0.2264, 0.2591



36.3119, 0.4482, 0.3859

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.



37.5940, 0.3727, 0.4172



37.5940, 0.2264, 0.2591



37.5940, 0.4124, 0.3559

Square

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



37.5940, 0.2264, 0.2591



37.5940, 0.3448, 0.2811



37.5940, 0.4054, 0.3930



37.5940, 0.2769, 0.3850

Rectangle

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



37.5940, 0.2264, 0.2591



37.5940, 0.2779, 0.2524



37.5940, 0.4054, 0.3930



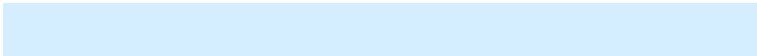
37.5940, 0.3420, 0.4199

Sweetspot

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



37.5954, 0.2264, 0.2591



82.4716, 0.2861, 0.3115



56.6939, 0.2804, 0.4434



17.2468, 0.2829, 0.3092



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.



37.5954, 0.2264, 0.2591



44.4660, 0.2116, 0.2408



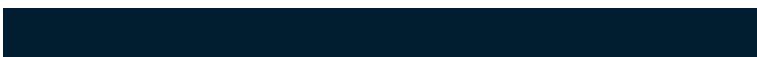
18.8191, 0.2062, 0.1654



14.6376, 0.2981, 0.3197



13.8675, 0.1883, 0.1978



1.1332, 0.1945, 0.2202

Inverse Universe

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



26.7339, 0.3763, 0.2409



30.4512, 0.3968, 0.2279



61.0860, 0.4030, 0.4512



13.8413, 0.3197, 0.3147



10.3080, 0.4477, 0.2240



0.7319, 0.4230, 0.2104

Previews

White Background



This preview shows how the Yxy color 37.5940, 0.2264, 0.2591 looks on a white background.

Color Contrast Check

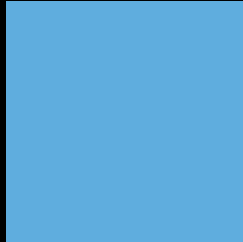
Large Text (above 18pt) WCAG AA × Fail

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 37.5940, 0.2264, 0.2591 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 37.5940, 0.2264, 0.2591

Background



This preview shows how black text looks on a background with the Yxy color 37.5940, 0.2264, 0.2591.

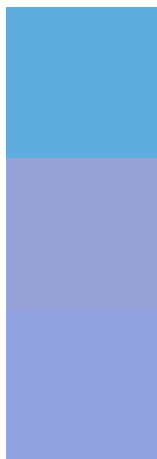


This preview shows how white text looks on a background with the Yxy color 37.5940, 0.2264, 0.2591.

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

37.5940, 0.2264, 0.2591

Protanopia

37.1797, 0.2620, 0.2589

Deuteranopia

37.3335, 0.2527, 0.2468



Tritanopia

37.5300, 0.2371, 0.3056

Trichromacy



Original Color

37.5940, 0.2264, 0.2591

Protanomaly

37.0280, 0.2468, 0.2584

Deuteranomaly

37.1122, 0.2414, 0.2509

Tritanomaly

37.4365, 0.2325, 0.2868

Monochromacy



Original Color

37.5940, 0.2264, 0.2591

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0819, 0.2734, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5940, 0.2264, 0.2591 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(95, 173, 222)` looks like.

```
.text, #text, p{  
    color:rgb(95, 173, 222)  
}
```

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(95, 173, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 173, 222) }
```

Border

The CSS property to change the border of an element to Yxy 37.5940, 0.2264, 0.2591 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(95, 173, 222) }
```

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

```
.border{ border-color:rgb(95, 173, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 173, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 173, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 173, 222);  
box-shadow:4px 4px 4px 4px rgb(95, 173,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5940, 0.2264, 0.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 173, 222) }
```

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

```
.background{ background-color: rgb(95, 173,  
222) }
```

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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