

Converting Colors

$Y_{xy}(37.7220, 0.2305, 0.2584)$

Have a look what the booklet for
Yxy(37.7220, 0.2305, 0.2584)
contains.

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Color

Yxy(37.7220, 0.2305, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	68ACDE
RGB	104, 172, 222
RGB Percent	41%, 67%, 87%
CMY	0.5920, 0.3255, 0.1294
CMYK	0.53, 0.23, 0.00, 0.13
HSL	205°, 64%, 64%
HSV	205°, 53%, 87%
XYZ	33.6491, 37.7220, 74.6119
YIQ	157.3680, -56.5780, 1.1340

Conversions

Conversions Part 2

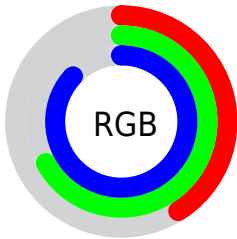
Format	Color
RYB	104, 147, 222
Decimal	6859998
CIELab	67.82, -7.56, -31.82
CIELCh	68, 32.702, 256.630
Yxy	37.7220, 0.2305, 0.2584
Android (android.graphics.Color)	4285050078 (0xFF68ACDE)
YUV	157.3680, 31.8636, -46.8037
Hunter-Lab	61.4182, -9.6875, -29.0337

Details

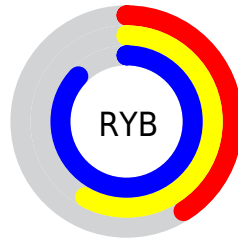
The Yxy color **37.7220, 0.2305, 0.2584** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.6550, 0.4320, 0.3877**, and the grayscale version is **33.7689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8396, 0.2569, 0.2970**, and **16.6944, 0.2077, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **33.1085, 0.2171, 0.2422**, and if you desaturate by 10%, it is **42.9416, 0.2452, 0.2740**.

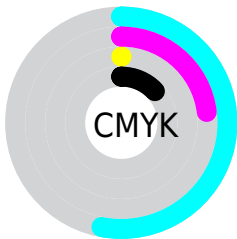
Distribution



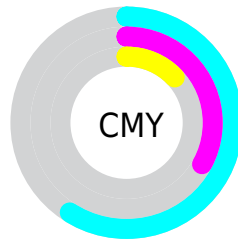
- Red (41%)
- Green (67%)
- Blue (87%)



- Red (41%)
- Yellow (58%)
- Blue (87%)



- Cyan (53%)
- Magenta (23%)
- Yellow (0%)
- Black (13%)



- Cyan (59%)
- Magenta (33%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7220, 0.2305, 0.2584 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 37.7220, 0.2305, 0.2584 by changing the saturation by 10% instead.

■ 37.7220, 0.2305,
0.2584

■ 37.7220, 0.2305,
0.2584

■ 336.4259, 0.2715,
0.2945

■ 25.7670, 0.2205,
0.2493

■ 71.6818, 0.2453,
0.2716

■ 16.6494, 0.2078,
0.2377

■ 94.4555, 0.2509,
0.2765

■ 9.9848, 0.1913,
0.2224

■ 121.6041, 0.2556,
0.2807

■ 5.3889, 0.1693,
0.2014

■ 153.5121, 0.2597,
0.2843

■ 2.4772, 0.1389,
0.1715

■ 190.5639, 0.2632,
0.2873

■ 0.8652, 0.0942,
0.1278

■ 233.1439, 0.2663,

■ 0.0000, 0.0000,

0.2900

0.0000

281.6364, 0.2691,
0.2924

■ 37.7220, 0.2305,
0.2584

■ 37.7220, 0.2305,
0.2584

■ 33.1085, 0.2171,
0.2422

■ 42.9416, 0.2452,
0.2740

■ 29.0637, 0.2053,
0.2256

■ 48.7932, 0.2607,
0.2886

■ 25.5511, 0.1955,
0.2090

■ 55.3059, 0.2765,
0.3022


■ 22.5261, 0.1880,
0.1929


■ 62.5053, 0.2924,
0.3146

■ 20.6844, 0.1839,
0.1821

■ 70.4157, 0.3079,
0.3257

 79.0597, 0.3230,
0.3357

 87.6068, 0.3344,
0.3448

 93.2265, 0.3331,
0.3538

 98.0538, 0.3322,
0.3611

Harmonies

Analogous

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



37.7220, 0.2238, 0.2854



37.7220, 0.2305, 0.2584



37.7220, 0.2573, 0.2507

Triad

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



37.7220, 0.2305, 0.2584



37.7220, 0.3922, 0.3215



37.7220, 0.3188, 0.4114

Complementary

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



37.7220, 0.2305, 0.2584



39.6550, 0.4320, 0.3877

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.



37.7220, 0.3658, 0.4164



37.7220, 0.2305, 0.2584



37.7220, 0.4106, 0.3605

Square

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



37.7220, 0.2305, 0.2584



37.7220, 0.3505, 0.2863



37.7220, 0.4001, 0.3956



37.7220, 0.2723, 0.3777

Rectangle

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



37.7220, 0.2305, 0.2584



37.7220, 0.2847, 0.2558



37.7220, 0.4001, 0.3956



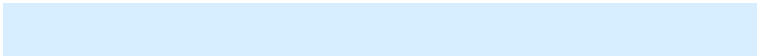
37.7220, 0.3351, 0.4164

Sweetspot

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



37.7234, 0.2305, 0.2584



82.5237, 0.2876, 0.3110



57.4928, 0.2797, 0.4277



17.2217, 0.2843, 0.3084



0.0000, 0.0000, 0.0000



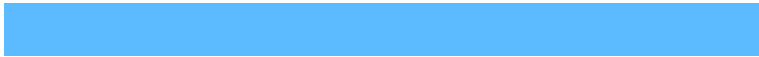
21.4041, 0.3127, 0.3290

Same Dimension

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



37.7234, 0.2305, 0.2584



44.5272, 0.2153, 0.2399



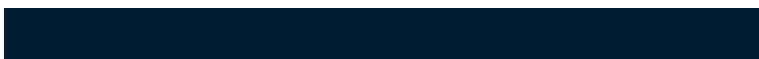
20.2254, 0.2132, 0.1731



14.5481, 0.2981, 0.3188



12.5112, 0.1846, 0.1844



1.0435, 0.1914, 0.2089

Inverse Universe

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



28.4170, 0.3756, 0.2510



32.4172, 0.3960, 0.2382



63.7002, 0.3949, 0.4475



13.8323, 0.3202, 0.3156



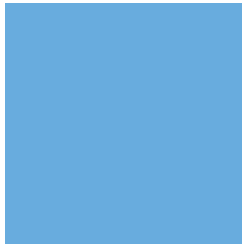
10.1711, 0.4633, 0.2326



0.7228, 0.4354, 0.2172

Previews

White Background



This preview shows how the Yxy color 37.7220, 0.2305, 0.2584 looks on a white background.

Color Contrast Check

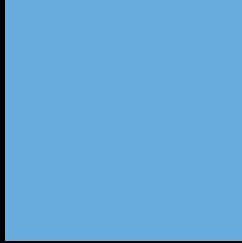
Large Text (above 18pt) WCAG AA × Fail

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 37.7220, 0.2305, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

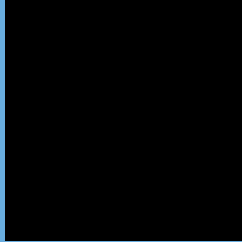
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

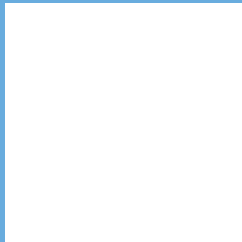
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7220, 0.2305, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 37.7220, 0.2305, 0.2584.

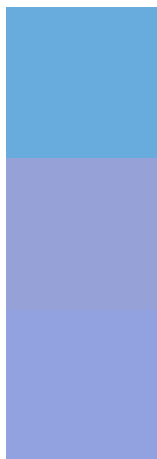


This preview shows how white text looks on a background with the Yxy color 37.7220, 0.2305, 0.2584.

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

37.7220, 0.2305, 0.2584

Protanopia

37.2310, 0.2614, 0.2577

Deuteranopia

37.3335, 0.2527, 0.2468



Tritanopia

37.5772, 0.2421, 0.3058

Trichromacy



Original Color

37.7220, 0.2305, 0.2584

Protanomaly

37.3209, 0.2482, 0.2575

Deuteranomaly

37.4254, 0.2440, 0.2514

Tritanomaly

37.5131, 0.2376, 0.2871

Monochromacy



Original Color

37.7220, 0.2305, 0.2584

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5801, 0.2759, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7220, 0.2305, 0.2584 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(104, 172, 222)` looks like.

```
.text, #text, p{  
    color:rgb(104, 172, 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(104, 172, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 172, 222) }
```

Border

The CSS property to change the border of an element to Yxy 37.7220, 0.2305, 0.2584 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(104, 172, 222) }
```

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

```
.border{ border-color:rgb(104, 172, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 172, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 172, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 172, 222);  
box-shadow:4px 4px 4px 4px rgb(104, 172,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7220, 0.2305, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 172, 222) }
```

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

```
.background{ background-color: rgb(104,  
172, 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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