

Converting Colors

$Yxy(38.7520, 0.2231, 0.2478)$

Have a look what the booklet for
Yxy(38.7520, 0.2231, 0.2478)
contains.

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Color

Yxy(38.7520, 0.2231, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	62AEE9
RGB	98, 174, 233
RGB Percent	38%, 68%, 91%
CMY	0.6153, 0.3177, 0.0862
CMYK	0.58, 0.25, 0.00, 0.09
HSL	206°, 75%, 65%
HSV	206°, 58%, 91%
XYZ	34.8893, 38.7520, 82.7429
YIQ	158.0020, -64.2350, 2.2370

Conversions

Conversions Part 2

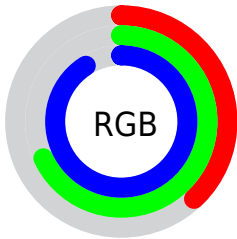
Format	Color
R _Y B	98, 147, 233
Decimal	6467305
CIE Lab	68.57, -6.53, -36.70
CIE LCh	69, 37.274, 259.915
Yxy	38.7520, 0.2231, 0.2478
Android (android.graphics.Color)	4284657385 (0xFF62AEE9)
YUV	158.0020, 36.9740, -52.6218
Hunter-Lab	62.2511, -8.8972, -35.2313

Details

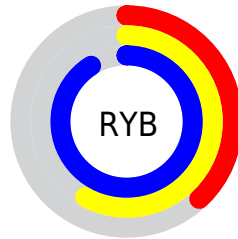
The Yxy color **38.7520, 0.2231, 0.2478** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.3630, 0.4456, 0.3941**, and the grayscale version is **34.0540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5277, 0.2552, 0.2992**, and **17.2876, 0.1991, 0.2254** is the 20% darker color. If you saturate the color by 10%, you get **33.8489, 0.2102, 0.2307**, and if you desaturate by 10%, it is **44.3341, 0.2375, 0.2643**.

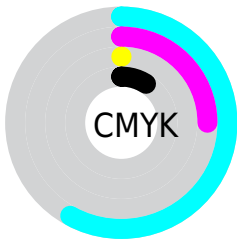
Distribution



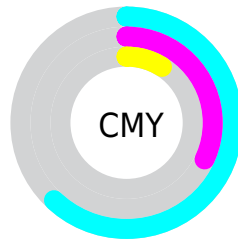
- Red (38%)
- Green (68%)
- Blue (91%)



- Red (38%)
- Yellow (58%)
- Blue (91%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)





- Cyan (62%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7520, 0.2231, 0.2478 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 38.7520, 0.2231, 0.2478 by changing the saturation by 10% instead.


 38.7520, 0.2231,
0.2478


 38.7520, 0.2231,
0.2478


340.8349, 0.2673,
0.2887

 26.5669, 0.2125,
0.2377

 73.2593, 0.2389,
0.2626


 17.2482, 0.1992,
0.2250


 96.3503, 0.2449,
0.2682

 10.4116, 0.1821,
0.2084


 123.8453, 0.2501,
0.2729

 5.6727, 0.1596,
0.1863

 156.1287, 0.2545,
0.2770

 2.6471, 0.1294,
0.1557

193.5850, 0.2583,
0.2805

 0.9504, 0.0882,
0.1129

236.5986, 0.2617,

 0.0000, 0.0000,

0.2836

0.0000

285.5537, 0.2647,
0.2863

■ 38.7520, 0.2231,
0.2478

■ 38.7520, 0.2231,
0.2478

■ 33.8489, 0.2102,
0.2307

■ 44.3341, 0.2375,
0.2643

■ 29.5802, 0.1992,
0.2135

■ 50.6272, 0.2528,
0.2800

■ 25.9009, 0.1903,
0.1966

■ 57.6655, 0.2687,
0.2946


■ 22.7491, 0.1837,
0.1802

■ 65.4795, 0.2847,
0.3081

■ 22.1374, 0.1825,
0.1769

■ 74.0978, 0.3005,
0.3203

 83.5472, 0.3159,
0.3312

 92.6582, 0.3265,
0.3411

 98.6641, 0.3256,
0.3503

Harmonies

Analogous

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



38.7520, 0.2131, 0.2751



38.7520, 0.2231, 0.2478



38.7520, 0.2550, 0.2421

Triad

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



38.7520, 0.2231, 0.2478



38.7520, 0.4064, 0.3246



38.7520, 0.3129, 0.4203

Complementary

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



38.7520, 0.2231, 0.2478



42.3630, 0.4456, 0.3941

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.



38.7520, 0.3665, 0.4288



38.7520, 0.2231, 0.2478



38.7520, 0.4235, 0.3680

Square

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



38.7520, 0.2231, 0.2478



38.7520, 0.3612, 0.2850



38.7520, 0.4077, 0.4067



38.7520, 0.2618, 0.3787

Rectangle

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



38.7520, 0.2231, 0.2478



38.7520, 0.2866, 0.2492



38.7520, 0.4077, 0.4067



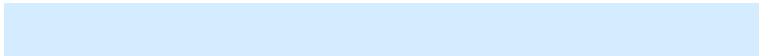
38.7520, 0.3312, 0.4271

Sweetspot

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



38.7534, 0.2231, 0.2478



81.1764, 0.2860, 0.3091



63.3076, 0.2768, 0.4356



16.9405, 0.2828, 0.3065



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.



38.7534, 0.2231, 0.2478



40.7356, 0.2085, 0.2283



19.0186, 0.2026, 0.1540



15.9549, 0.2981, 0.3184



12.8106, 0.1832, 0.1794



1.1969, 0.1894, 0.2020

Inverse Universe

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



29.1338, 0.3866, 0.2469



30.0746, 0.4089, 0.2362



71.5322, 0.4002, 0.4582



15.1960, 0.3205, 0.3158



10.7860, 0.4693, 0.2359



0.8662, 0.4431, 0.2214

Previews

White Background



This preview shows how the Yxy color 38.7520, 0.2231, 0.2478 looks on a white background.

Color Contrast Check

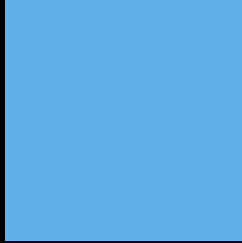
Large Text (above 18pt) WCAG AA × Fail

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 38.7520, 0.2231, 0.2478 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

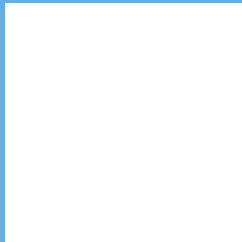
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7520, 0.2231, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 38.7520, 0.2231, 0.2478.



This preview shows how white text looks on a background with the Yxy color 38.7520, 0.2231, 0.2478.

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

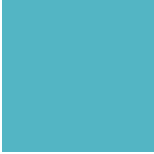
38.7520, 0.2231, 0.2478

Protanopia

38.3767, 0.2546, 0.2489

Deuteranopia

38.6592, 0.2441, 0.2383



Tritanopia

38.8723, 0.2365, 0.3059

Trichromacy



Original Color

38.7520, 0.2231, 0.2478

Protanomaly

38.3525, 0.2410, 0.2484

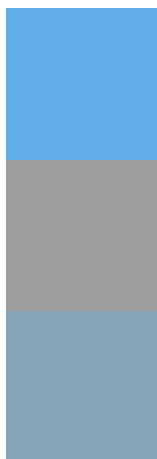
Deuteranomaly

38.3814, 0.2354, 0.2412

Tritanomaly

38.5189, 0.2312, 0.2831

Monochromacy



Original Color

38.7520, 0.2231, 0.2478

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.2879, 0.2716, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7520, 0.2231, 0.2478 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(98, 174, 233)` looks like.

```
.text, #text, p{  
    color:rgb(98, 174, 233)  
}
```

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(98, 174, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 174, 233) }
```

Border

The CSS property to change the border of an element to Yxy 38.7520, 0.2231, 0.2478 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(98, 174, 233) }
```

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

```
.border{ border-color:rgb(98, 174, 233) }
```

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

Here you see how a box with a 4 pixel rgb(98, 174, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 174, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 174, 233);  
box-shadow:4px 4px 4px 4px rgb(98, 174,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7520, 0.2231, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 174, 233) }
```

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

```
.background{ background-color: rgb(98, 174,  
233) }
```

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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