

Converting Colors

$Yxy(37.9666, 0.2483, 0.2760)$

Have a look what the booklet for
Yxy(37.9666, 0.2483, 0.2760)
contains.

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Color

Yxy(37.8908, 0.2487, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	7BABD0
RGB	123, 171, 208
RGB Percent	48%, 67%, 82%
CMY	0.5175, 0.3294, 0.1844
CMYK	0.41, 0.18, 0.00, 0.18
HSL	206°, 47%, 65%
HSV	206°, 41%, 82%
XYZ	34.1182, 37.8908, 65.1771
YIQ	160.8660, -40.4850, 1.3310

Conversions

Conversions Part 2

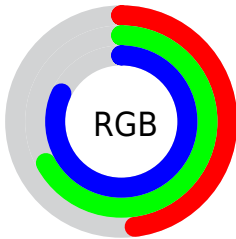
Format	Color
RYB	123, 154, 208
Decimal	8104912
CIELab	67.94, -6.46, -23.83
CIElCh	68, 24.692, 254.825
Yxy	37.8908, 0.2487, 0.2762
Android (android.graphics.Color)	4286294992 (0xFF7BABD0)
YUV	160.8660, 23.2371, -33.2085
Hunter-Lab	61.5555, -8.7855, -19.6895

Details

The Yxy color **37.8908, 0.2487, 0.2762** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.9871, 0.3963, 0.3758**, and the grayscale version is **35.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0777, 0.2654, 0.2966**, and **16.7920, 0.2300, 0.2595** is the 20% darker color. If you saturate the color by 10%, you get **33.2128, 0.2337, 0.2605**, and if you desaturate by 10%, it is **43.1320, 0.2644, 0.2910**.

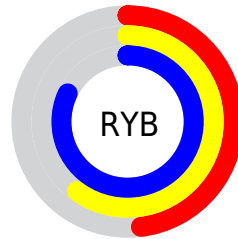
Distribution



Red (48%)

Green (67%)

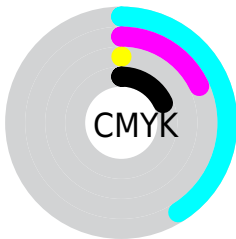
Blue (82%)



Red (48%)

Yellow (60%)

Blue (82%)

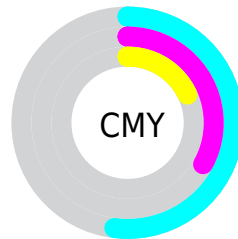


Cyan (41%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (52%)

Magenta (33%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8908, 0.2487, 0.2762 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 37.8908, 0.2487, 0.2762 by changing the saturation by 10% instead.

■ 37.8908, 0.2487,
0.2762

■ 37.8908, 0.2487,
0.2762

■ 337.1513, 0.2810,
0.3034

■ 25.8979, 0.2406,
0.2692

■ 71.9407, 0.2605,
0.2862

■ 16.7473, 0.2303,
0.2602

■ 94.7666, 0.2649,
0.2900

■ 10.0545, 0.2166,
0.2480

■ 121.9723, 0.2686,
0.2931

■ 5.4351, 0.1978,
0.2310

■ 153.9421, 0.2718,
0.2958

■ 2.5047, 0.1706,
0.2056

■ 191.0605, 0.2746,
0.2981

■ 0.8790, 0.1276,
0.1654

■ 233.7120, 0.2770,

■ 0.0000, 0.0000,

0.3001

0.0000

282.2807, 0.2791,
0.3019

■ 37.8908, 0.2487,
0.2762

■ 37.8908, 0.2487,
0.2762

■ 33.2128, 0.2337,
0.2605

■ 43.1320, 0.2644,
0.2910

■ 29.0680, 0.2198,
0.2440

■ 48.9554, 0.2802,
0.3046

■ 25.4300, 0.2074,
0.2270

■ 55.3846, 0.2960,
0.3170

■ 22.2673, 0.1970,
0.2100

■ 62.4400, 0.3114,
0.3281

■ 19.5430, 0.1888,
0.1934

■ 70.1412, 0.3263,
0.3381

■ 17.3761, 0.1830,
0.1787

■ 78.5068, 0.3405,
0.3469

■ 84.8780, 0.3441,
0.3555

■ 90.1779, 0.3425,
0.3642

■ 95.7452, 0.3410,
0.3728

Harmonies

Analogous

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



37.8908, 0.2445, 0.2985



37.8908, 0.2487, 0.2762



37.8908, 0.2689, 0.2686

Triad

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



37.8908, 0.2487, 0.2762



37.8908, 0.3709, 0.3222



37.8908, 0.3203, 0.3907

Complementary

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



37.8908, 0.2487, 0.2762



39.9871, 0.3963, 0.3758

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.



37.8908, 0.3556, 0.3944



37.8908, 0.2487, 0.2762



37.8908, 0.3861, 0.3525

Square

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



37.8908, 0.2487, 0.2762



37.8908, 0.3393, 0.2948



37.8908, 0.3801, 0.3792



37.8908, 0.2844, 0.3671

Rectangle

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



37.8908, 0.2487, 0.2762



37.8908, 0.2897, 0.2718



37.8908, 0.3801, 0.3792



37.8908, 0.3327, 0.3943

Sweetspot

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



37.8923, 0.2487, 0.2762



86.4436, 0.2940, 0.3154



51.8491, 0.2847, 0.3984



18.2057, 0.2919, 0.3138



0.0000, 0.0000, 0.0000



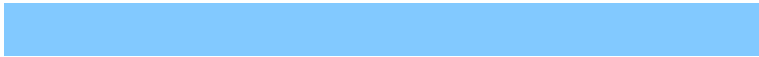
21.4041, 0.3127, 0.3290

Same Dimension

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



37.8923, 0.2487, 0.2762



53.5563, 0.2355, 0.2625



24.3889, 0.2386, 0.2127



12.5094, 0.2983, 0.3186



11.0273, 0.1836, 0.1809



0.7729, 0.1919, 0.2107

Inverse Universe

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



30.5229, 0.3571, 0.2695



41.4368, 0.3709, 0.2573



57.2288, 0.3758, 0.4235



11.9185, 0.3203, 0.3160



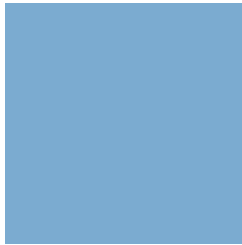
9.1845, 0.4674, 0.2349



0.5293, 0.4333, 0.2161

Previews

White Background



This preview shows how the Yxy color 37.8908, 0.2487, 0.2762 looks on a white background.

Color Contrast Check

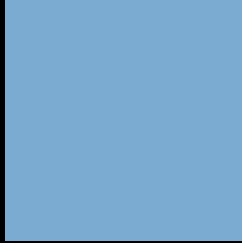
Large Text (above 18pt) WCAG AA × Fail

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 37.8908, 0.2487, 0.2762 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 37.8908, 0.2487, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 37.8908, 0.2487, 0.2762.



This preview shows how white text looks on a background with the Yxy color 37.8908, 0.2487, 0.2762.

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

37.8908, 0.2487, 0.2762

Protanopia

37.5741, 0.2745, 0.2744

Deuteranopia

37.6619, 0.2702, 0.2646



Tritanopia

37.7545, 0.2584, 0.3079

Trichromacy



Original Color

37.8908, 0.2487, 0.2762

Protanomaly

37.6095, 0.2642, 0.2748

Deuteranomaly

37.5335, 0.2621, 0.2685

Tritanomaly

37.8203, 0.2551, 0.2965

Monochromacy



Original Color

37.8908, 0.2487, 0.2762

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3277, 0.2860, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8908, 0.2487, 0.2762 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(123, 171, 208)` looks like.

```
.text, #text, p{  
    color:rgb(123, 171, 208)  
}
```

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(123, 171, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 171, 208) }
```

Border

The CSS property to change the border of an element to Yxy 37.8908, 0.2487, 0.2762 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(123, 171, 208) }
```

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

```
.border{ border-color:rgb(123, 171, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 171, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 171, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 171, 208);  
box-shadow:4px 4px 4px 4px rgb(123, 171,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8908, 0.2487, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 171, 208) }
```

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

```
.background{ background-color: rgb(123,  
171, 208) }
```

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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