

Converting Colors

$Y_{xy}(47.2545, 0.2424, 0.3141)$

Have a look what the booklet for
Yxy(47.2545, 0.2424, 0.3141)
contains.

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Color

Yxy(47.0832, 0.2421, 0.3132)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 62C5D0 |
| RGB | 98, 197, 208 |
| RGB Percent | 38%, 77%, 82% |
| CMY | 0.6154, 0.2275, 0.1843 |
| CMYK | 0.53, 0.05, 0.00, 0.18 |
| HSL | 186°, 54%, 60% |
| HSV | 186°, 53%, 82% |
| XYZ | 36.3948, 47.0832, 66.8515 |
| YIQ | 168.6530, -62.5350, -17.5670 |

Conversions

Conversions Part 2

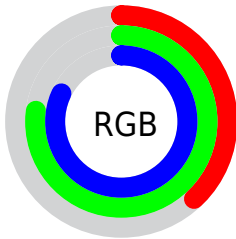
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 98, 150, 208 |
| Decimal | 6473168 |
| CIELab | 74.24, -25.90, -14.39 |
| CIELCh | 74, 29.629, 209.067 |
| Yxy | 47.0832, 0.2421, 0.3132 |
| Android (android.graphics.Color) | 4284663248 (0xFF62C5D0) |
| YUV | 168.6530, 19.3981, -61.9627 |
| Hunter-Lab | 68.6172, -25.4032, -9.7323 |

Details

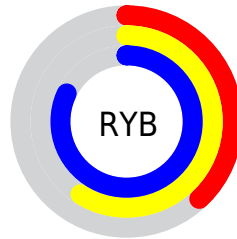
The Yxy color **47.0832, 0.2421, 0.3132** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.2513, 0.4578, 0.3430**, and the grayscale version is **39.4309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2717, 0.2590, 0.3277**, and **22.2540, 0.2234, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **45.1332, 0.2331, 0.3098**, and if you desaturate by 10%, it is **49.3506, 0.2528, 0.3166**.

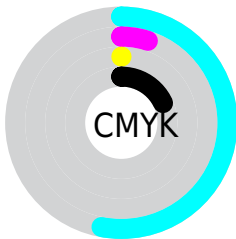
Distribution



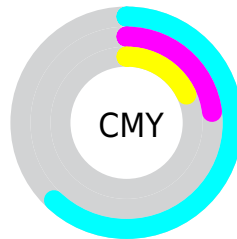
- Red (38%)
- Green (77%)
- Blue (82%)



- Red (38%)
- Yellow (59%)
- Blue (82%)



- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)





- Cyan (62%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0832, 0.2421, 0.3132 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 47.0832, 0.2421, 0.3132 by changing the saturation by 10% instead.

 47.0832, 0.2421,
0.3132

 47.0832, 0.2421,
0.3132

375.1465, 0.2764,
0.3220

 33.1014, 0.2339,
0.3108


 85.8378, 0.2543,
0.3166

 22.2042, 0.2235,
0.3075


 111.3794, 0.2590,
0.3178

 14.0070, 0.2101,
0.3030

 141.5431, 0.2630,
0.3188

 8.1255, 0.1922,
0.2963

 176.7133, 0.2664,
0.3196

 4.1754, 0.1671,
0.2856

217.2743, 0.2694,
0.3204

 1.7721, 0.1304,
0.2666

263.6106, 0.2720,

 0.4697, 0.0000,

0.3210

0.2237

316.1065, 0.2744,
0.3215

0.0000, 0.0000,
0.0000

47.0832, 0.2421,
0.3132

47.0832, 0.2421,
0.3132

45.1332, 0.2331,
0.3098

49.3506, 0.2528,
0.3166

43.4713, 0.2260,
0.3063

51.9513, 0.2651,
0.3198

42.0719, 0.2208,
0.3028

54.9065, 0.2787,
0.3228

40.9019, 0.2174,
0.2994

58.2339, 0.2931,
0.3257

40.1653, 0.2158,
0.2970

61.9503, 0.3083,
0.3283

■ 66.0712, 0.3238,
0.3307

■ 70.6114, 0.3395,
0.3328

■ 73.7420, 0.3478,
0.3349

■ 74.8019, 0.3474,
0.3370

Harmonies

Analogous

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



47.0832, 0.2650, 0.3536



47.0832, 0.2421, 0.3132



47.0832, 0.2370, 0.2811

Triad

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



47.0832, 0.2421, 0.3132



47.0832, 0.3201, 0.2785



47.0832, 0.3768, 0.3950

Complementary

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



47.0832, 0.2421, 0.3132



25.2513, 0.4578, 0.3430

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.



47.0832, 0.3944, 0.3698



47.0832, 0.2421, 0.3132



47.0832, 0.3608, 0.3045

Square

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



47.0832, 0.2421, 0.3132



47.0832, 0.2798, 0.2640



47.0832, 0.3887, 0.3370



47.0832, 0.3423, 0.4033

Rectangle

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



47.0832, 0.2421, 0.3132



47.0832, 0.2439, 0.2680



47.0832, 0.3887, 0.3370



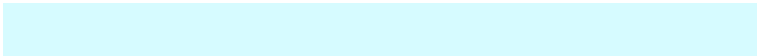
47.0832, 0.3850, 0.3880

Sweetspot

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



47.0850, 0.2421, 0.3132



90.4849, 0.2882, 0.3247



48.8240, 0.2992, 0.4810



19.1307, 0.2852, 0.3242



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.



47.0850, 0.2421, 0.3132



71.2922, 0.2324, 0.3095



26.5155, 0.2250, 0.2285



13.1961, 0.2983, 0.3266



25.1110, 0.2160, 0.2974



1.4639, 0.2177, 0.3037

Inverse Universe

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



26.1913, 0.3306, 0.2140



35.5538, 0.3350, 0.1957



40.8587, 0.4166, 0.4101



11.9878, 0.3153, 0.3083



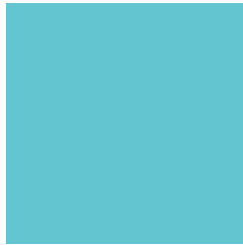
10.6062, 0.3477, 0.1689



0.5991, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 47.0832, 0.2421, 0.3132 looks on a white background.

Color Contrast Check

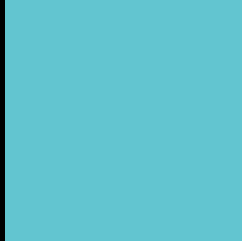
Large Text (above 18pt) WCAG AA × Fail

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 47.0832, 0.2421, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

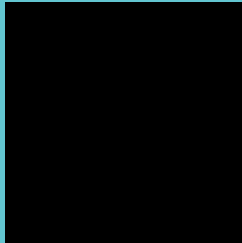
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0832, 0.2421, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 47.0832, 0.2421, 0.3132.

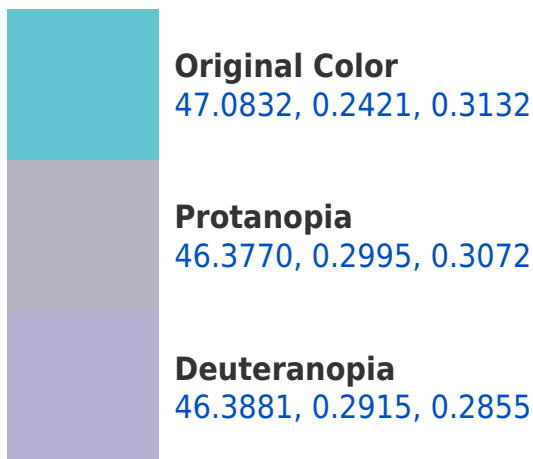


This preview shows how white text looks on a background with the Yxy color 47.0832, 0.2421, 0.3132.

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





Tritanopia

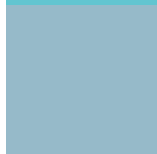
46.9426, 0.2407, 0.3064

Trichromacy



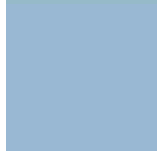
Original Color

47.0832, 0.2421, 0.3132



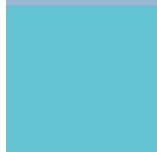
Protanomaly

45.8189, 0.2740, 0.3086



Deuteranomaly

45.7564, 0.2694, 0.2932



Tritanomaly

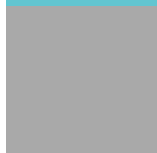
46.8357, 0.2407, 0.3077

Monochromacy



Original Color

47.0832, 0.2421, 0.3132



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.4987, 0.2803, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0832, 0.2421, 0.3132 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, 197, 208)` looks like.

```
.text, #text, p{  
    color:rgb(98, 197, 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(98, 197, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 197, 208) }
```

Border

The CSS property to change the border of an element to Yxy 47.0832, 0.2421, 0.3132 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, 197, 208) }
```

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

```
.border{ border-color:rgb(98, 197, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 197, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 197, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 197, 208);  
box-shadow:4px 4px 4px 4px rgb(98, 197,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0832, 0.2421, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 197, 208) }
```

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

```
.background{ background-color: rgb(98, 197,  
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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