

Converting Colors

$Y_{xy}(24.2940, 0.2205, 0.2420)$

Have a look what the booklet for
Yxy(24.2940, 0.2205, 0.2420)
contains.

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Color

Yxy(24.1842, 0.2202, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	4D8CC1
RGB	77, 140, 193
RGB Percent	30%, 55%, 76%
CMY	0.6978, 0.4510, 0.2430
CMYK	0.60, 0.27, 0.00, 0.24
HSL	207°, 48%, 53%
HSV	207°, 60%, 76%
XYZ	22.0695, 24.1842, 53.9710
YIQ	127.2050, -54.5610, 3.1270

Conversions

Conversions Part 2

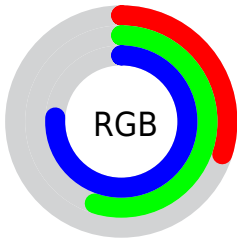
Format	Color
R_{YB}	77, 118, 193
Decimal	5082305
CIE _{Lab}	56.27, -4.20, -33.67
CIE _{LCh}	56, 33.936, 262.894
Yxy	24.1842, 0.2202, 0.2413
Android (android.graphics.Color)	4283272385 (0xFF4D8CC1)
YUV	127.2050, 32.4369, -44.0298
Hunter-Lab	49.1774, -5.9547, -30.6450

Details

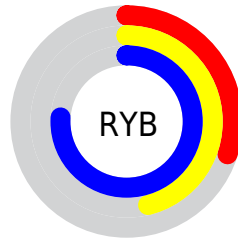
The Yxy color **24.1842, 0.2202, 0.2413** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **27.8666, 0.4479, 0.3983**, and the grayscale version is **21.2030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1930, 0.2385, 0.2585**, and **9.1764, 0.1923, 0.2122** is the 20% darker color. If you saturate the color by 10%, you get **21.0202, 0.2074, 0.2236**, and if you desaturate by 10%, it is **27.7951, 0.2345, 0.2585**.

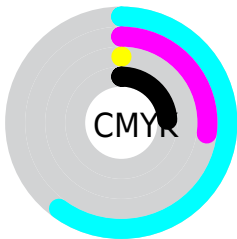
Distribution



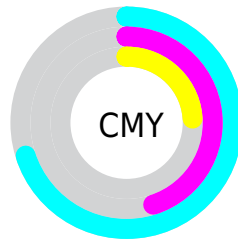
- Red (30%)
- Green (55%)
- Blue (76%)



- Red (30%)
- Yellow (46%)
- Blue (76%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)
- Black (24%)



- Cyan (70%)
- Magenta (45%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1842, 0.2202, 0.2413 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 24.1842, 0.2202, 0.2413 by changing the saturation by 10% instead.

■ 24.1842, 0.2202,
0.2413

■ 24.1842, 0.2202,
0.2413

273.7504, 0.2694,
0.2886

■ 15.4703, 0.2072,
0.2286

■ 50.3306, 0.2387,
0.2592

■ 9.1501, 0.1903,
0.2118

■ 68.5319, 0.2454,
0.2657

■ 4.8392, 0.1676,
0.1891

■ 90.6645, 0.2511,
0.2712

■ 2.1532, 0.1361,
0.1570

■ 117.1128, 0.2559,
0.2758

■ 0.6943, 0.0878,
0.1094

148.2611, 0.2600,
0.2797

■ 0.0000, 0.0000,
0.0000

184.4939, 0.2636,

0.2831

226.1955, 0.2667,
0.2860

■ 24.1842, 0.2202,
0.2413

■ 24.1842, 0.2202,
0.2413

■ 21.0202, 0.2074,
0.2236

■ 27.7951, 0.2345,
0.2585

■ 18.2739, 0.1965,
0.2058

■ 31.8742, 0.2498,
0.2750

■ 15.9155, 0.1878,
0.1884

■ 36.4440, 0.2656,
0.2903

■ 13.9041, 0.1811,
0.1718

■ 41.5245, 0.2815,
0.3045

■ 47.1345, 0.2973,
0.3173

■ 53.2918, 0.3126,
0.3289

■ 60.0131, 0.3273,
0.3392

■ 67.3143, 0.3412,
0.3484

■ 75.2106, 0.3543,
0.3564

Harmonies

Analogous

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



24.1842, 0.2073, 0.2675



24.1842, 0.2202, 0.2413



24.1842, 0.2558, 0.2377

Triad

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



24.1842, 0.2202, 0.2413



24.1842, 0.4159, 0.3285



24.1842, 0.3067, 0.4239

Complementary

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



24.1842, 0.2202, 0.2413



27.8666, 0.4479, 0.3983

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.



24.1842, 0.3641, 0.4362



24.1842, 0.2202, 0.2413



24.1842, 0.4304, 0.3741

Square

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



24.1842, 0.2202, 0.2413



24.1842, 0.3699, 0.2861



24.1842, 0.4101, 0.4145



24.1842, 0.2538, 0.3764

Rectangle

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



24.1842, 0.2202, 0.2413



24.1842, 0.2903, 0.2465



24.1842, 0.4101, 0.4145



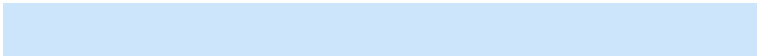
24.1842, 0.3262, 0.4324

Sweetspot

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



24.1851, 0.2202, 0.2413



76.0843, 0.2844, 0.3069



41.3225, 0.2752, 0.4355



15.7183, 0.2797, 0.3029



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



24.1851, 0.2202, 0.2413



36.0608, 0.2038, 0.2182



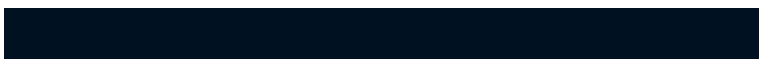
11.5958, 0.1991, 0.1463



10.6333, 0.2984, 0.3182



9.4069, 0.1817, 0.1739



0.5429, 0.1922, 0.2117

Inverse Universe

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



18.5496, 0.3930, 0.2481



27.4952, 0.4201, 0.2376



47.5141, 0.4007, 0.4626



10.1673, 0.3206, 0.3166



8.2319, 0.4759, 0.2395



0.3695, 0.4322, 0.2155

Previews

White Background



This preview shows how the Yxy color 24.1842, 0.2202, 0.2413 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1842, 0.2202, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

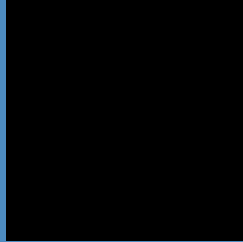
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1842, 0.2202, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 24.1842, 0.2202, 0.2413.

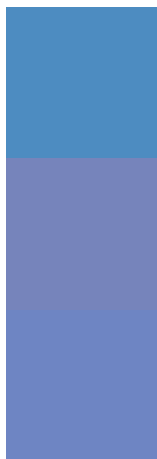


This preview shows how white text looks on a background with the Yxy color 24.1842, 0.2202, 0.2413.

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

24.1842, 0.2202, 0.2413

Protanopia

23.9419, 0.2495, 0.2419

Deuteranopia

24.0302, 0.2380, 0.2318



Tritanopia

24.0505, 0.2348, 0.3064

Trichromacy



Original Color

24.1842, 0.2202, 0.2413

Protanomaly

23.8856, 0.2372, 0.2416

Deuteranomaly

24.1000, 0.2309, 0.2360

Tritanomaly

24.0801, 0.2287, 0.2805

Monochromacy



Original Color

24.1842, 0.2202, 0.2413

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.9881, 0.2701, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1842, 0.2202, 0.2413 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(77, 140, 193)` looks like.

```
.text, #text, p{  
    color:rgb(77, 140, 193)  
}
```

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(77, 140, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 140, 193) }
```

Border

The CSS property to change the border of an element to Yxy 24.1842, 0.2202, 0.2413 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(77, 140, 193) }
```

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

```
.border{ border-color:rgb(77, 140, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 140, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 140, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 140, 193);  
box-shadow:4px 4px 4px 4px rgb(77, 140,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1842, 0.2202, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 140, 193) }
```

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

```
.background{ background-color: rgb(77, 140,  
193) }
```

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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