

Converting Colors

$Y_{xy}(24.6788, 0.2282, 0.2218)$

Have a look what the booklet for
Yxy(24.6788, 0.2282, 0.2218)
contains.

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Color

Yxy(24.6788, 0.2282, 0.2218)

Conversions

Conversions Part 1

Format	Color
Hex	6887CD
RGB	104, 135, 205
RGB Percent	41%, 53%, 80%
CMY	0.5923, 0.4706, 0.1960
CMYK	0.49, 0.34, 0.00, 0.20
HSL	222°, 50%, 61%
HSV	222°, 49%, 80%
XYZ	25.3909, 24.6788, 61.1963
YIQ	133.7110, -40.9460, 15.1980

Conversions

Conversions Part 2

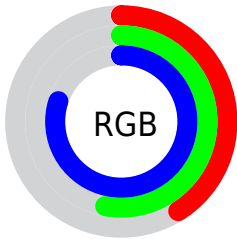
Format	Color
RYB	104, 128, 205
Decimal	6850509
CIELab	56.76, 8.39, -39.60
CIELCh	57, 40.481, 281.969
Yxy	24.6788, 0.2282, 0.2218
Android (android.graphics.Color)	4285040589 (0xFF6887CD)
YUV	133.7110, 35.1455, -26.0565
Hunter-Lab	49.6778, 4.2974, -38.2629

Details

The Yxy color $24.6788, 0.2282, 0.2218$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $44.2450, 0.4023, 0.4157$, and the grayscale version is $23.6069, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.6600, 0.2490, 0.2497$, and $9.4384, 0.2010, 0.1905$ is the 20% darker color. If you saturate the color by 10%, you get $19.8958, 0.2106, 0.1954$, and if you desaturate by 10%, it is $30.2906, 0.2464, 0.2473$.

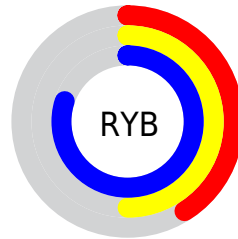
Distribution



Red (41%)

Green (53%)

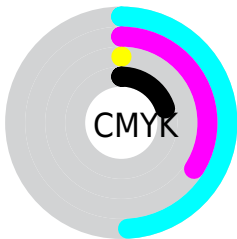
Blue (80%)



Red (41%)

Yellow (50%)

Blue (80%)

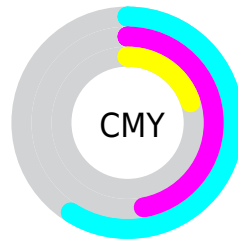


Cyan (49%)

Magenta (34%)

Yellow (0%)

Black (20%)



Cyan (59%)

Magenta (47%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6788, 0.2282, 0.2218 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 24.6788, 0.2282, 0.2218 by changing the saturation by 10% instead.

■ 24.6788, 0.2282,
0.2218

■ 24.6788, 0.2282,
0.2218

276.2345, 0.2734,
0.2776

■ 15.8379, 0.2163,
0.2076

■ 51.1357, 0.2452,
0.2424

■ 9.4095, 0.2007,
0.1894

■ 69.5204, 0.2514,
0.2500

■ 5.0093, 0.1798,
0.1655

■ 91.8553, 0.2566,
0.2564

■ 2.2527, 0.1509,
0.1335

■ 118.5246, 0.2610,
0.2619

■ 0.7485, 0.1102,
0.0898

149.9128, 0.2648,
0.2666

■ 0.0000, 0.0000,
0.0000

186.4043, 0.2680,

0.2708

228.3834, 0.2709,
0.2744

■ 24.6788, 0.2282,
0.2218

■ 24.6788, 0.2282,
0.2218

■ 19.8958, 0.2106,
0.1954

■ 30.2906, 0.2464,
0.2473

■ 15.8961, 0.1944,
0.1690

■ 36.7680, 0.2645,
0.2711

■ 12.6336, 0.1805,
0.1438

■ 44.1485, 0.2819,
0.2930

■ 10.0547, 0.1695,
0.1210

■ 52.4667, 0.2984,
0.3127

■ 8.0834, 0.1617,
0.1015

■ 61.7552, 0.3138,
0.3302

■ 7.9615, 0.1612,
0.1003

■ 72.0448, 0.3279,
0.3456

■ 83.3652, 0.3407,
0.3591

■ 93.1989, 0.3435,
0.3721

■ 97.1888, 0.3424,
0.3780

Harmonies

Analogous

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



24.6788, 0.1969, 0.2341



24.6788, 0.2282, 0.2218



24.6788, 0.2838, 0.2329

Triad

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



24.6788, 0.2282, 0.2218



24.6788, 0.4507, 0.3602



24.6788, 0.2634, 0.4105

Complementary

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



24.6788, 0.2282, 0.2218



44.2450, 0.4023, 0.4157

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.



24.6788, 0.3291, 0.4539



24.6788, 0.2282, 0.2218



24.6788, 0.4396, 0.4112

Square

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



24.6788, 0.2282, 0.2218



24.6788, 0.4188, 0.3084



24.6788, 0.3938, 0.4494



24.6788, 0.2144, 0.3383

Rectangle

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



24.6788, 0.2282, 0.2218



24.6788, 0.3304, 0.2515



24.6788, 0.3938, 0.4494



24.6788, 0.2843, 0.4299

Sweetspot

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



24.6797, 0.2282, 0.2218



77.6956, 0.2888, 0.3013



49.6320, 0.2658, 0.3760



16.0217, 0.2853, 0.2970



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.



24.6797, 0.2282, 0.2218



32.2539, 0.2098, 0.1942



18.4758, 0.2345, 0.1801



11.3967, 0.2983, 0.3125



5.1043, 0.1619, 0.1028



0.3985, 0.1731, 0.1430

Inverse Universe

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



24.6251, 0.4060, 0.2898



33.4985, 0.4383, 0.2833



55.1731, 0.3687, 0.4550



11.2695, 0.3243, 0.3219



8.3183, 0.5717, 0.2923



0.4428, 0.5151, 0.2612

Previews

White Background



This preview shows how the Yxy color 24.6788, 0.2282, 0.2218 looks on a white background.

Color Contrast Check

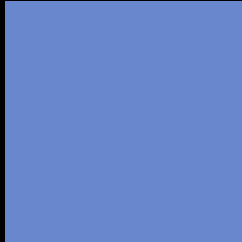
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6788, 0.2282, 0.2218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

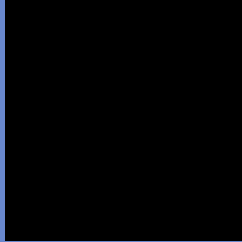
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6788, 0.2282, 0.2218

Background



This preview shows how black text looks on a background with the Yxy color 24.6788, 0.2282, 0.2218.

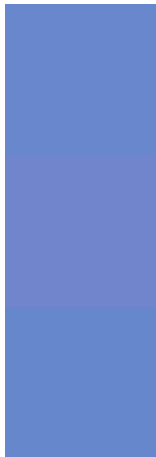


This preview shows how white text looks on a background with the Yxy color 24.6788, 0.2282, 0.2218.

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

24.6788, 0.2282, 0.2218

Protanopia

24.5794, 0.2338, 0.2213

Deuteranopia

24.6193, 0.2276, 0.2216



Tritanopia

24.7749, 0.2525, 0.3090

Trichromacy



Original Color

24.6788, 0.2282, 0.2218

Protanomaly

24.6610, 0.2320, 0.2223

Deuteranomaly

24.6193, 0.2276, 0.2216

Tritanomaly

24.4854, 0.2423, 0.2724

Monochromacy



Original Color

24.6788, 0.2282, 0.2218

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.7992, 0.2760, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6788, 0.2282, 0.2218 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, 135, 205)` looks like.

```
.text, #text, p{  
    color:rgb(104, 135, 205)  
}
```

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, 135, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 135, 205) }
```

Border

The CSS property to change the border of an element to Yxy 24.6788, 0.2282, 0.2218 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, 135, 205) }
```

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

```
.border{ border-color:rgb(104, 135, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 135, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 135, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 135, 205);  
box-shadow:4px 4px 4px 4px rgb(104, 135,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6788, 0.2282, 0.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 135, 205) }
```

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

```
.background{ background-color: rgb(104,  
135, 205) }
```

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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