

Converting Colors

$Y_{xy}(24.5622, 0.2269, 0.2699)$

Have a look what the booklet for
Yxy(24.5622, 0.2269, 0.2699)
contains.

Yxy(24.5005, 0.2268, 0.2696)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.5005, 0.2268, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	4790B2
RGB	71, 144, 178
RGB Percent	28%, 56%, 70%
CMY	0.7214, 0.4353, 0.3019
CMYK	0.60, 0.19, 0.00, 0.30
HSL	199°, 43%, 49%
HSV	199°, 60%, 70%
XYZ	20.6110, 24.5005, 45.7658
YIQ	126.0490, -54.4220, -4.9020

Conversions

Conversions Part 2

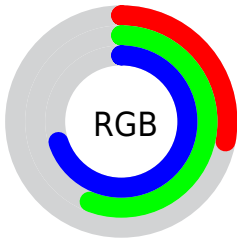
Format	Color
R_{YB}	71, 114, 178
Decimal	4690098
CIE _{Lab}	56.59, -12.48, -24.67
CIE _{LCh}	57, 27.643, 243.173
Yxy	24.5005, 0.2268, 0.2696
Android (android.graphics.Color)	4282880178 (0xFF4790B2)
YUV	126.0490, 25.6118, -48.2780
Hunter-Lab	49.4980, -12.2941, -20.1709

Details

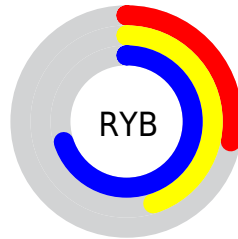
The Yxy color **24.5005, 0.2268, 0.2696** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.0385, 0.4621, 0.3771**, and the grayscale version is **20.8117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9179, 0.2439, 0.2825**, and **9.4861, 0.2027, 0.2495** is the 20% darker color. If you saturate the color by 10%, you get **22.2515, 0.2161, 0.2577**, and if you desaturate by 10%, it is **27.0345, 0.2391, 0.2811**.

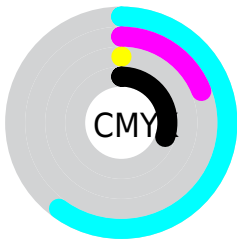
Distribution



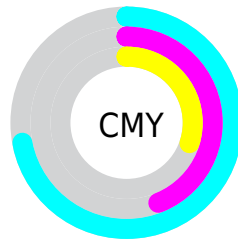
- Red (28%)
- Green (56%)
- Blue (70%)



- Red (28%)
- Yellow (45%)
- Blue (70%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (30%)



- Cyan (72%)
- Magenta (44%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5005, 0.2268, 0.2696 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 24.5005, 0.2268, 0.2696 by changing the saturation by 10% instead.

■ 24.5005, 0.2268,
0.2696

■ 24.5005, 0.2268,
0.2696

■ 275.3412, 0.2727,
0.3028

■ 15.7053, 0.2145,
0.2602

■ 50.8457, 0.2441,
0.2825

■ 9.3159, 0.1984,
0.2473

■ 69.1645, 0.2504,
0.2871

■ 4.9478, 0.1763,
0.2291

■ 91.4267, 0.2557,
0.2909

■ 2.2167, 0.1448,
0.2014

■ 118.0166, 0.2601,
0.2940

■ 0.7291, 0.0841,
0.1578

■ 149.3185, 0.2639,
0.2967

■ 0.0000, 0.0000,
0.0000

185.7170, 0.2672,

0.2990

227.5965, 0.2701,
0.3010

■ 24.5005, 0.2268,
0.2696

■ 24.5005, 0.2268,
0.2696

■ 22.2515, 0.2161,
0.2577

■ 27.0345, 0.2391,
0.2811

■ 20.2657, 0.2072,
0.2457

■ 29.8676, 0.2527,
0.2922

■ 18.5219, 0.2002,
0.2337

■ 33.0159, 0.2672,
0.3025

■ 16.9864, 0.1950,
0.2220

■ 36.4936, 0.2822,
0.3121

■ 40.3136, 0.2974,
0.3210

■ 44.4882, 0.3126,
0.3289

■ 49.0290, 0.3275,
0.3361

■ 53.9468, 0.3420,
0.3425

■ 59.2521, 0.3559,
0.3481

Harmonies

Analogous

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



24.5005, 0.2296, 0.3041



24.5005, 0.2268, 0.2696



24.5005, 0.2445, 0.2535

Triad

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



24.5005, 0.2268, 0.2696



24.5005, 0.3741, 0.3054



24.5005, 0.3401, 0.4151

Complementary

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



24.5005, 0.2268, 0.2696



20.0385, 0.4621, 0.3771

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.



24.5005, 0.3819, 0.4078



24.5005, 0.2268, 0.2696



24.5005, 0.4036, 0.3428

Square

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



24.5005, 0.2268, 0.2696



24.5005, 0.3277, 0.2746



24.5005, 0.4060, 0.3799



24.5005, 0.2928, 0.3941

Rectangle

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



24.5005, 0.2268, 0.2696



24.5005, 0.2667, 0.2532



24.5005, 0.4060, 0.3799



24.5005, 0.3553, 0.4157

Sweetspot

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



24.5014, 0.2268, 0.2696



67.3538, 0.2849, 0.3138



34.2039, 0.2843, 0.4615



14.4980, 0.2805, 0.3111



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



24.5014, 0.2268, 0.2696



39.1590, 0.2130, 0.2539



11.9811, 0.2050, 0.1711



9.1666, 0.2986, 0.3216



12.2698, 0.1954, 0.2233



0.4855, 0.2045, 0.2563

Inverse Universe

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



15.9929, 0.3677, 0.2292



24.1931, 0.3850, 0.2151



34.5118, 0.4115, 0.4467



8.5998, 0.3184, 0.3136



7.7788, 0.4197, 0.2086



0.2548, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 24.5005, 0.2268, 0.2696 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 24.5005, 0.2268, 0.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

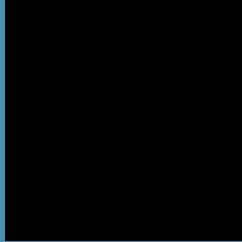
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5005, 0.2268, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 24.5005, 0.2268, 0.2696.

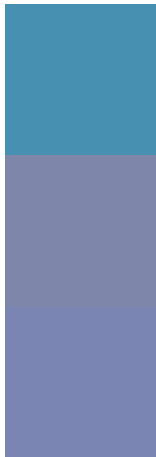


This preview shows how white text looks on a background with the Yxy color 24.5005, 0.2268, 0.2696.

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

24.5005, 0.2268, 0.2696

Protanopia

24.3881, 0.2703, 0.2703

Deuteranopia

24.2813, 0.2593, 0.2539



Tritanopia

24.4274, 0.2352, 0.3065

Trichromacy



Original Color

24.5005, 0.2268, 0.2696

Protanomaly

24.2583, 0.2512, 0.2700

Deuteranomaly

24.0891, 0.2451, 0.2591

Tritanomaly

24.4692, 0.2320, 0.2925

Monochromacy



Original Color

24.5005, 0.2268, 0.2696

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.8836, 0.2726, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5005, 0.2268, 0.2696 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(71, 144, 178)` looks like.

```
.text, #text, p{  
    color:rgb(71, 144, 178)  
}
```

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(71, 144, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 144, 178) }
```

Border

The CSS property to change the border of an element to Yxy 24.5005, 0.2268, 0.2696 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(71, 144, 178) }
```

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

```
.border{ border-color:rgb(71, 144, 178) }
```

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

Here you see how a box with a 4 pixel rgb(71, 144, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 144, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 144, 178);  
box-shadow:4px 4px 4px 4px rgb(71, 144,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5005, 0.2268, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 144, 178) }
```

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

```
.background{ background-color: rgb(71, 144,  
178) }
```

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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