

Converting Colors

$Y_{xy}(24.3140, 0.2282, 0.2789)$

Have a look what the booklet for
Yxy(24.3140, 0.2282, 0.2789)
contains.

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Color

$\text{Yxy}(24.4612, 0.2280, 0.2791)$

Conversions

Conversions Part 1

Format	Color
Hex	4391AD
RGB	67, 145, 173
RGB Percent	26%, 57%, 68%
CMY	0.7372, 0.4314, 0.3216
CMYK	0.61, 0.16, 0.00, 0.32
HSL	196°, 44%, 47%
HSV	196°, 61%, 68%
XYZ	19.9826, 24.4612, 43.1993
YIQ	124.8700, -55.4760, -7.8280

Conversions

Conversions Part 2

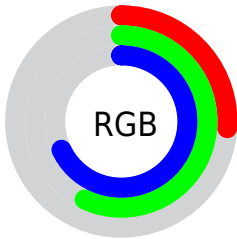
Format	Color
R _Y B	67, 112, 173
Decimal	4428205
CIE _{Lab}	56.55, -15.39, -21.88
CIE _{LCh}	57, 26.752, 234.876
Y _{xy}	24.4612, 0.2280, 0.2791
Android (android.graphics.Color)	4282618285 (0xFF4391AD)
YUV	124.8700, 23.7281, -50.7520
Hunter-Lab	49.4583, -14.4326, -17.1660

Details

The Yxy color **24.4612, 0.2280, 0.2791** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.4736, 0.4721, 0.3693**, and the grayscale version is **20.3962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8640, 0.2451, 0.2897**, and **9.3859, 0.2051, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **22.5708, 0.2182, 0.2694**, and if you desaturate by 10%, it is **26.5922, 0.2394, 0.2886**.

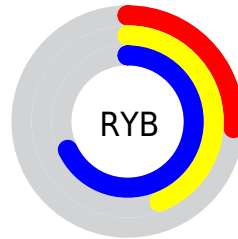
Distribution



Red (26%)

Green (57%)

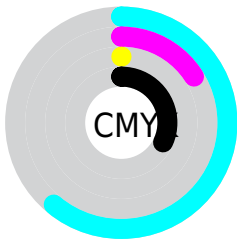
Blue (68%)



Red (26%)

Yellow (44%)

Blue (68%)

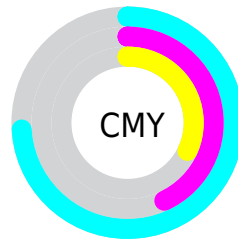


Cyan (61%)

Magenta (16%)

Yellow (0%)

Black (32%)



Cyan (74%)

Magenta (43%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4612, 0.2280, 0.2791 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 24.4612, 0.2280, 0.2791 by changing the saturation by 10% instead.

■ 24.4612, 0.2280,
0.2791

■ 24.4612, 0.2280,
0.2791

275.1439, 0.2733,
0.3074

■ 15.6761, 0.2158,
0.2709

■ 50.7818, 0.2451,
0.2902

■ 9.2952, 0.1997,
0.2595

■ 69.0860, 0.2514,
0.2941

■ 4.9343, 0.1776,
0.2431

■ 91.3321, 0.2566,
0.2973

■ 2.2087, 0.1460,
0.2177

■ 117.9044, 0.2610,
0.3000

■ 0.7248, 0.0766,
0.1772

■ 149.1874, 0.2647,
0.3023

■ 0.0000, 0.0000,
0.0000

185.5654, 0.2680,

0.3042

227.4227, 0.2708,
0.3059

■ 24.4612, 0.2280,
0.2791

■ 24.4612, 0.2280,
0.2791

■ 22.5708, 0.2182,
0.2694

■ 26.5922, 0.2394,
0.2886

■ 20.9008, 0.2104,
0.2596

■ 28.9764, 0.2522,
0.2976

■ 19.4316, 0.2044,
0.2498

■ 31.6287, 0.2661,
0.3062

■ 18.2743, 0.2004,
0.2414

■ 34.5618, 0.2807,
0.3142

■ 37.7874, 0.2957,
0.3215

■ 41.3166, 0.3108,
0.3282

■ 45.1599, 0.3258,
0.3342

■ 49.3270, 0.3406,
0.3396

■ 53.8273, 0.3549,
0.3444

Harmonies

Analogous

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



24.4612, 0.2364, 0.3169



24.4612, 0.2280, 0.2791



24.4612, 0.2399, 0.2582

Triad

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



24.4612, 0.2280, 0.2791



24.4612, 0.3608, 0.2970



24.4612, 0.3516, 0.4130

Complementary

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



24.4612, 0.2280, 0.2791



17.4736, 0.4721, 0.3693

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.



24.4612, 0.3885, 0.3995



24.4612, 0.2280, 0.2791



24.4612, 0.3952, 0.3322

Square

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



24.4612, 0.2280, 0.2791



24.4612, 0.3141, 0.2698



24.4612, 0.4052, 0.3691



24.4612, 0.3060, 0.4002

Rectangle

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



24.4612, 0.2280, 0.2791



24.4612, 0.2583, 0.2546



24.4612, 0.4052, 0.3691



24.4612, 0.3655, 0.4111

Sweetspot

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



24.4621, 0.2280, 0.2791



63.5526, 0.2851, 0.3164



31.8774, 0.2885, 0.4776



13.4679, 0.2808, 0.3143



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.4621, 0.2280, 0.2791



39.1758, 0.2148, 0.2655



12.1286, 0.2059, 0.1808



8.7087, 0.2986, 0.3229



13.5233, 0.2007, 0.2424



0.4591, 0.2088, 0.2717

Inverse Universe

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



14.9435, 0.3598, 0.2208



22.2897, 0.3746, 0.2052



30.0003, 0.4194, 0.4399



8.1114, 0.3176, 0.3125



7.6682, 0.3998, 0.1976



0.2217, 0.3712, 0.1819

Previews

White Background



This preview shows how the Yxy color 24.4612, 0.2280, 0.2791 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 24.4612, 0.2280, 0.2791 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 24.4612, 0.2280, 0.2791

Background



This preview shows how black text looks on a background with the Yxy color 24.4612, 0.2280, 0.2791.

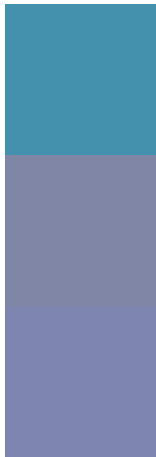


This preview shows how white text looks on a background with the Yxy color 24.4612, 0.2280, 0.2791.

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

24.4612, 0.2280, 0.2791

Protanopia

24.3560, 0.2765, 0.2780

Deuteranopia

24.3453, 0.2651, 0.2600



Tritanopia

24.3627, 0.2342, 0.3064

Trichromacy



Original Color

24.4612, 0.2280, 0.2791

Protanomaly

24.0683, 0.2549, 0.2776

Deuteranomaly

23.9897, 0.2487, 0.2651

Tritanomaly

24.2949, 0.2317, 0.2958

Monochromacy



Original Color

24.4612, 0.2280, 0.2791

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.3986, 0.2732, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4612, 0.2280, 0.2791 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(67, 145, 173)` looks like.

```
.text, #text, p{  
    color:rgb(67, 145, 173)  
}
```

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(67, 145, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 145, 173) }
```

Border

The CSS property to change the border of an element to Yxy 24.4612, 0.2280, 0.2791 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(67, 145, 173) }
```

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

```
.border{ border-color:rgb(67, 145, 173) }
```

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

Here you see how a box with a 4 pixel rgb(67, 145, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 145, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 145, 173);  
box-shadow:4px 4px 4px 4px rgb(67, 145,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4612, 0.2280, 0.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 145, 173) }
```

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

```
.background{ background-color: rgb(67, 145,  
173) }
```

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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