

Converting Colors

$Y_{xy}(24.4549, 0.2281, 0.2750)$

Have a look what the booklet for
Yxy(24.4549, 0.2281, 0.2750)
contains.

Yxy(24.3438, 0.2280, 0.2742)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.3438, 0.2280, 0.2742)$

Conversions

Conversions Part 1

Format	Color
Hex	4690AF
RGB	70, 144, 175
RGB Percent	27%, 56%, 69%
CMY	0.7252, 0.4353, 0.3137
CMYK	0.60, 0.18, 0.00, 0.31
HSL	198°, 43%, 48%
HSV	198°, 60%, 69%
XYZ	20.2421, 24.3438, 44.1953
YIQ	125.4080, -54.0550, -6.0470

Conversions

Conversions Part 2

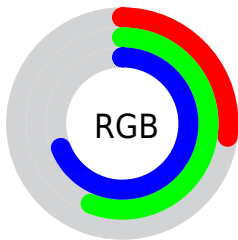
Format	Color
R_{YB}	70, 113, 175
Decimal	4624559
CIE _{Lab}	56.43, -13.61, -23.20
CIE _{LCh}	56, 26.899, 239.605
Yxy	24.3438, 0.2280, 0.2742
Android (android.graphics.Color)	4282814639 (0xFF4690AF)
YUV	125.4080, 24.4489, -48.5928
Hunter-Lab	49.3394, -13.1122, -18.5708

Details

The Yxy color **24.3438, 0.2280, 0.2742** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.8867, 0.4639, 0.3736**, and the grayscale version is **20.5900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6697, 0.2448, 0.2861**, and **9.4105, 0.2045, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **22.2535, 0.2176, 0.2632**, and if you desaturate by 10%, it is **26.6974, 0.2400, 0.2848**.

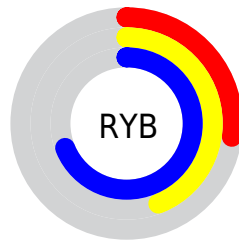
Distribution



Red (27%)

Green (56%)

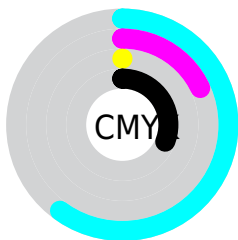
Blue (69%)



Red (27%)

Yellow (44%)

Blue (69%)

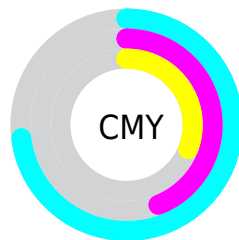


Cyan (60%)

Magenta (18%)

Yellow (0%)

Black (31%)



Cyan (73%)

Magenta (44%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3438, 0.2280, 0.2742 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 24.3438, 0.2280, 0.2742 by changing the saturation by 10% instead.

■ 24.3438, 0.2280,
0.2742

■ 24.3438, 0.2280,
0.2742

■ 274.5540, 0.2733,
0.3050

■ 15.5888, 0.2158,
0.2653

■ 50.5907, 0.2451,
0.2863

■ 9.2337, 0.1997,
0.2532

■ 68.8513, 0.2514,
0.2905

■ 4.8939, 0.1777,
0.2357

■ 91.0494, 0.2566,
0.2940

■ 2.1852, 0.1461,
0.2091

■ 117.5692, 0.2610,
0.2969

■ 0.7119, 0.0805,
0.1663

■ 148.7952, 0.2647,
0.2994

■ 0.0000, 0.0000,
0.0000

185.1117, 0.2680,

0.3016

226.9032, 0.2708,
0.3034

■ 24.3438, 0.2280,
0.2742

■ 24.3438, 0.2280,
0.2742

■ 22.2535, 0.2176,
0.2632

■ 26.6974, 0.2400,
0.2848

■ 20.4060, 0.2090,
0.2521

■ 29.3276, 0.2534,
0.2950

■ 18.7811, 0.2023,
0.2411

■ 32.2496, 0.2676,
0.3046

■ 17.3352, 0.1973,
0.2301

■ 35.4767, 0.2825,
0.3135

■ 17.3288, 0.1973,
0.2301

■ 39.0211, 0.2976,
0.3216

■ 42.8943, 0.3128,
0.3290

■ 47.1072, 0.3277,
0.3357

■ 51.6702, 0.3423,
0.3416

■ 56.5930, 0.3563,
0.3469

Harmonies

Analogous

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



24.3438, 0.2332, 0.3099



24.3438, 0.2280, 0.2742



24.3438, 0.2431, 0.2562

Triad

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



24.3438, 0.2280, 0.2742



24.3438, 0.3678, 0.3020



24.3438, 0.3449, 0.4134

Complementary

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



24.3438, 0.2280, 0.2742



18.8867, 0.4639, 0.3736

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.



24.3438, 0.3842, 0.4035



24.3438, 0.2280, 0.2742



24.3438, 0.3992, 0.3381

Square

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



24.3438, 0.2280, 0.2742



24.3438, 0.3217, 0.2730



24.3438, 0.4049, 0.3748



24.3438, 0.2987, 0.3962

Rectangle

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



24.3438, 0.2280, 0.2742



24.3438, 0.2634, 0.2544



24.3438, 0.4049, 0.3748



24.3438, 0.3594, 0.4129

Sweetspot

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



24.3447, 0.2280, 0.2742



64.5308, 0.2850, 0.3149



32.8865, 0.2866, 0.4676



13.9562, 0.2806, 0.3124



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.3447, 0.2280, 0.2742



38.7143, 0.2145, 0.2596



12.1979, 0.2067, 0.1780



8.6661, 0.2986, 0.3221



12.5184, 0.1976, 0.2314



0.4371, 0.2068, 0.2644

Inverse Universe

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



15.5197, 0.3637, 0.2266



23.1787, 0.3797, 0.2117



32.1055, 0.4142, 0.4423



8.1071, 0.3181, 0.3132



7.5668, 0.4112, 0.2039



0.2195, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 24.3438, 0.2280, 0.2742 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 24.3438, 0.2280, 0.2742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

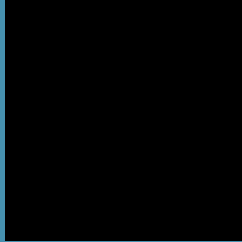
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3438, 0.2280, 0.2742

Background



This preview shows how black text looks on a background with the Yxy color 24.3438, 0.2280, 0.2742.



This preview shows how white text looks on a background with the Yxy color 24.3438, 0.2280, 0.2742.

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

24.3438, 0.2280, 0.2742

Protanopia

24.0007, 0.2727, 0.2731

Deuteranopia

24.0020, 0.2615, 0.2552



Tritanopia

24.4274, 0.2352, 0.3065

Trichromacy



Original Color

24.3438, 0.2280, 0.2742

Protanomaly

23.8578, 0.2532, 0.2728

Deuteranomaly

23.7257, 0.2462, 0.2602

Tritanomaly

24.4326, 0.2326, 0.2942

Monochromacy



Original Color

24.3438, 0.2280, 0.2742

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4890, 0.2733, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3438, 0.2280, 0.2742 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(70, 144, 175)` looks like.

```
.text, #text, p{  
    color:rgb(70, 144, 175)  
}
```

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(70, 144, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 144, 175) }
```

Border

The CSS property to change the border of an element to Yxy 24.3438, 0.2280, 0.2742 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(70, 144, 175) }
```

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

```
.border{ border-color:rgb(70, 144, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 144, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 144, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 144, 175);  
box-shadow:4px 4px 4px 4px rgb(70, 144,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3438, 0.2280, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 144, 175) }
```

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

```
.background{ background-color: rgb(70, 144,  
175) }
```

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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