

Converting Colors

$Y_{xy}(24.2295, 0.2262, 0.2741)$

Have a look what the booklet for
Yxy(24.2295, 0.2262, 0.2741)
contains.

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Color

$Y_{xy}(24.1999, 0.2259, 0.2740)$

Conversions

Conversions Part 1

Format	Color
Hex	4290AF
RGB	66, 144, 175
RGB Percent	26%, 56%, 69%
CMY	0.7415, 0.4352, 0.3138
CMYK	0.62, 0.18, 0.00, 0.31
HSL	197°, 45%, 47%
HSV	197°, 62%, 69%
XYZ	19.9517, 24.1999, 44.1692
YIQ	124.2120, -56.4390, -6.8950

Conversions

Conversions Part 2

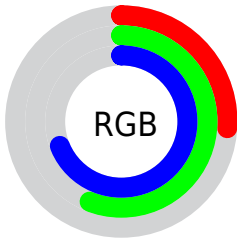
Format	Color
R _Y B	66, 111, 175
Decimal	4362415
CIE Lab	56.29, -14.43, -23.42
CIE LCh	56, 27.507, 238.364
Yxy	24.1999, 0.2259, 0.2740
Android (android.graphics.Color)	4282552495 (0xFF4290AF)
YUV	124.2120, 25.0385, -51.0519
Hunter-Lab	49.1934, -13.6931, -18.7993

Details

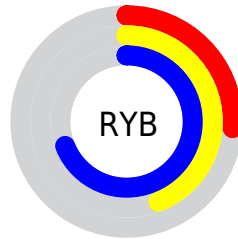
The Yxy color **24.1999, 0.2259, 0.2740** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.0309, 0.4739, 0.3728**, and the grayscale version is **20.1518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4428, 0.2433, 0.2859**, and **9.4105, 0.2045, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **22.2119, 0.2161, 0.2635**, and if you desaturate by 10%, it is **26.4418, 0.2374, 0.2843**.

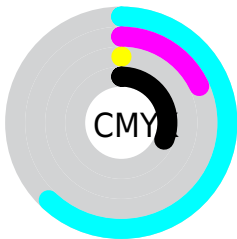
Distribution



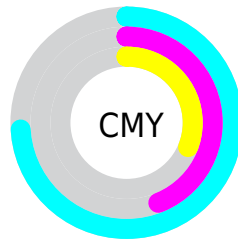
- Red (26%)
- Green (56%)
- Blue (69%)



- Red (26%)
- Yellow (44%)
- Blue (69%)



- Cyan (62%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)



- Cyan (74%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1999, 0.2259, 0.2740 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 24.1999, 0.2259, 0.2740 by changing the saturation by 10% instead.

■ 24.1999, 0.2259,
0.2740

■ 24.1999, 0.2259,
0.2740

■ 273.8296, 0.2723,
0.3050

■ 15.4820, 0.2134,
0.2650

■ 50.3562, 0.2434,
0.2862

■ 9.1583, 0.1970,
0.2528

■ 68.5634, 0.2498,
0.2904

■ 4.8446, 0.1745,
0.2351

■ 90.7024, 0.2552,
0.2940

■ 2.1564, 0.1424,
0.2080

■ 117.1577, 0.2597,
0.2969

■ 0.6961, 0.0732,
0.1647

■ 148.3137, 0.2635,
0.2994

■ 0.0000, 0.0000,
0.0000

184.5547, 0.2668,

0.3015

226.2652, 0.2698,
0.3034

■ 24.1999, 0.2259,
0.2740

■ 24.1999, 0.2259,
0.2740

■ 22.2119, 0.2161,
0.2635

■ 26.4418, 0.2374,
0.2843

■ 20.4565, 0.2081,
0.2529

■ 28.9510, 0.2503,
0.2941

■ 18.9131, 0.2021,
0.2423

■ 31.7431, 0.2643,
0.3034

■ 17.8389, 0.1984,
0.2343

■ 34.8314, 0.2790,
0.3121

■ 38.2283, 0.2940,
0.3201

■ 41.9454, 0.3092,
0.3274

■ 45.9935, 0.3242,
0.3340

■ 50.3831, 0.3389,
0.3398

■ 55.1239, 0.3532,
0.3450

Harmonies

Analogous

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



24.1999, 0.2320, 0.3111



24.1999, 0.2259, 0.2740



24.1999, 0.2404, 0.2549

Triad

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



24.1999, 0.2259, 0.2740



24.1999, 0.3674, 0.2999



24.1999, 0.3475, 0.4157

Complementary

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



24.1999, 0.2259, 0.2740



18.0309, 0.4739, 0.3728

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.



24.1999, 0.3872, 0.4043



24.1999, 0.2259, 0.2740



24.1999, 0.4005, 0.3366

Square

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



24.1999, 0.2259, 0.2740



24.1999, 0.3198, 0.2707



24.1999, 0.4075, 0.3743



24.1999, 0.3002, 0.3993

Rectangle

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



24.1999, 0.2259, 0.2740



24.1999, 0.2607, 0.2526



24.1999, 0.4075, 0.3743



24.1999, 0.3622, 0.4147

Sweetspot

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



24.2008, 0.2259, 0.2740



64.1645, 0.2835, 0.3146



32.6690, 0.2861, 0.4740



13.8932, 0.2792, 0.3123



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.



24.2008, 0.2259, 0.2740



38.4948, 0.2127, 0.2593



11.4844, 0.2025, 0.1711



8.6819, 0.2986, 0.3224



12.8857, 0.1988, 0.2355



0.4452, 0.2075, 0.2671

Inverse Universe

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



15.0118, 0.3644, 0.2219



22.4626, 0.3806, 0.2074



31.7512, 0.4181, 0.4458



8.1087, 0.3179, 0.3129



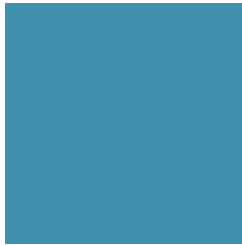
7.6039, 0.4069, 0.2015



0.2203, 0.3756, 0.1843

Previews

White Background



This preview shows how the Yxy color 24.1999, 0.2259, 0.2740 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 24.1999, 0.2259, 0.2740 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 24.1999, 0.2259, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 24.1999, 0.2259, 0.2740.

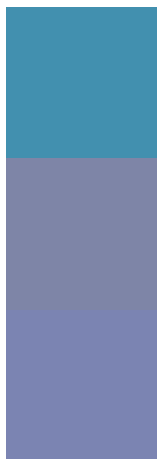


This preview shows how white text looks on a background with the Yxy color 24.1999, 0.2259, 0.2740.

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

24.1999, 0.2259, 0.2740

Protanopia

24.0007, 0.2727, 0.2731

Deuteranopia

23.9278, 0.2606, 0.2550



Tritanopia

24.2702, 0.2327, 0.3064

Trichromacy



Original Color

24.1999, 0.2259, 0.2740

Protanomaly

23.7367, 0.2515, 0.2725

Deuteranomaly

23.6074, 0.2447, 0.2600

Tritanomaly

24.2665, 0.2301, 0.2940

Monochromacy



Original Color

24.1999, 0.2259, 0.2740

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.0993, 0.2712, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1999, 0.2259, 0.2740 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(66, 144, 175)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 144, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 144, 175) }
```

Border

The CSS property to change the border of an element to Yxy 24.1999, 0.2259, 0.2740 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(66, 144, 175) }
```

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

```
.border{ border-color:rgb(66, 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(66, 144, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 144, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 144, 175);  
box-shadow:4px 4px 4px 4px rgb(66, 144,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1999, 0.2259, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 144, 175) }
```

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

```
.background{ background-color: rgb(66, 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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