

Converting Colors

$Yxy(24.5101, 0.2018, 0.2321)$

Have a look what the booklet for
Yxy(24.5101, 0.2018, 0.2321)
contains.

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Color

Yxy(24.5509, 0.2021, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	2290CA
RGB	34, 144, 202
RGB Percent	13%, 56%, 79%
CMY	0.8677, 0.4352, 0.2079
CMYK	0.83, 0.29, 0.00, 0.21
HSL	201°, 71%, 46%
HSV	201°, 83%, 79%
XYZ	21.2859, 24.5509, 59.4867
YIQ	117.7220, -84.1780, -5.2820

Conversions

Conversions Part 2

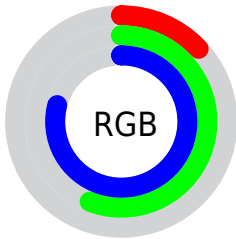
Format	Color
RYP	34, 100, 202
Decimal	2265290
CIE Lab	56.64, -9.45, -38.27
CIE LCh	57, 39.415, 256.134
Yxy	24.5509, 0.2021, 0.2331
Android (android.graphics.Color)	4280455370 (0xFF2290CA)
YUV	117.7220, 41.5491, -73.4242
Hunter-Lab	49.5489, -10.0281, -36.4974

Details

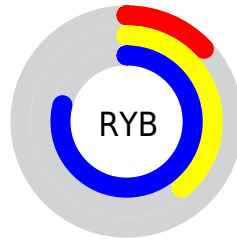
The Yxy color **24.5509, 0.2021, 0.2331** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **20.2740, 0.5405, 0.3853**, and the grayscale version is **17.8911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7963, 0.2252, 0.2575**, and **10.1435, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **22.2616, 0.1956, 0.2200**, and if you desaturate by 10%, it is **27.1728, 0.2107, 0.2463**.

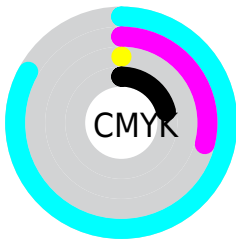
Distribution



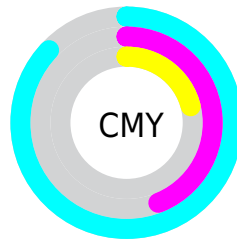
- Red (13%)
- Green (56%)
- Blue (79%)



- Red (13%)
- Yellow (39%)
- Blue (79%)



- Cyan (83%)
- Magenta (29%)
- Yellow (0%)
- Black (21%)



- Cyan (87%)
- Magenta (44%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5509, 0.2021, 0.2331 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 24.5509, 0.2021, 0.2331 by changing the saturation by 10% instead.

■ 24.5509, 0.2021,
0.2331

■ 24.5509, 0.2021,
0.2331

■ 275.5939, 0.2599,
0.2848

■ 15.7428, 0.1874,
0.2193

■ 50.9277, 0.2235,
0.2526

■ 9.3423, 0.1685,
0.2014

■ 69.2652, 0.2314,
0.2598

■ 4.9651, 0.1439,
0.1773

■ 91.5479, 0.2381,
0.2657

■ 2.2268, 0.1113,
0.1442

■ 118.1603, 0.2438,
0.2707

■ 0.7346, 0.0625,
0.0981

■ 149.4866, 0.2487,
0.2750

■ 0.0000, 0.0000,
0.0000

185.9115, 0.2529,

0.2787

227.8191, 0.2566,
0.2820

■ 24.5509, 0.2021,
0.2331

■ 24.5509, 0.2021,
0.2331

■ 22.2616, 0.1956,
0.2200

■ 27.1728, 0.2107,
0.2463

■ 20.8727, 0.1921,
0.2114

■ 30.1579, 0.2213,
0.2595

■ 33.5350, 0.2335,
0.2724

■ 37.3284, 0.2471,
0.2848

■ 41.5601, 0.2617,
0.2964

■ 46.2502, 0.2769,
0.3073

■ 51.4172, 0.2923,
0.3172

■ 57.0788, 0.3077,
0.3262

■ 63.2512, 0.3228,
0.3343

Harmonies

Analogous

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



24.5509, 0.1936, 0.2678



24.5509, 0.2021, 0.2331



24.5509, 0.2363, 0.2243

Triad

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



24.5509, 0.2021, 0.2331



24.5509, 0.4228, 0.3158



24.5509, 0.3197, 0.4474

Complementary

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



24.5509, 0.2021, 0.2331



20.2740, 0.5405, 0.3853

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.



24.5509, 0.3841, 0.4497



24.5509, 0.2021, 0.2331



24.5509, 0.4483, 0.3670

Square

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



24.5509, 0.2021, 0.2331



24.5509, 0.3633, 0.2704



24.5509, 0.4323, 0.4160



24.5509, 0.2568, 0.3995

Rectangle

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



24.5509, 0.2021, 0.2331



24.5509, 0.2723, 0.2311



24.5509, 0.4323, 0.4160



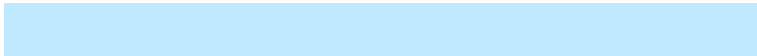
24.5509, 0.3419, 0.4533

Sweetspot

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



24.5517, 0.2021, 0.2331



76.6261, 0.2737, 0.3051



43.3069, 0.2822, 0.5176



15.7887, 0.2683, 0.3013



0.0000, 0.0000, 0.0000



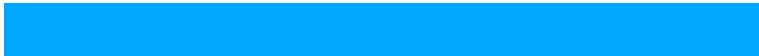
21.4041, 0.3127, 0.3290

Same Dimension

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



24.5517, 0.2021, 0.2331



34.9078, 0.1916, 0.2097



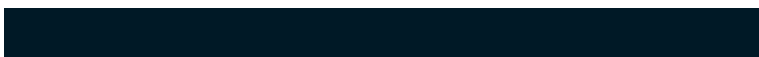
8.0215, 0.1674, 0.1031



12.0508, 0.2983, 0.3208



13.6045, 0.1925, 0.2131



0.8398, 0.1996, 0.2384

Inverse Universe

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



15.6987, 0.4076, 0.2136



24.0551, 0.4344, 0.2167



42.9212, 0.4400, 0.4750



11.3355, 0.3189, 0.3139



9.1764, 0.4307, 0.2146



0.4873, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 24.5509, 0.2021, 0.2331 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 24.5509, 0.2021, 0.2331 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 24.5509, 0.2021, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 24.5509, 0.2021, 0.2331.

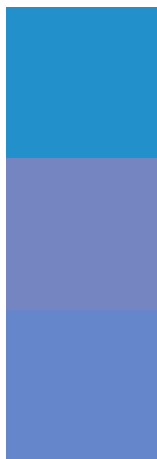


This preview shows how white text looks on a background with the Yxy color 24.5509, 0.2021, 0.2331.

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

24.5509, 0.2021, 0.2331

Protanopia

24.3383, 0.2439, 0.2354

Deuteranopia

24.2346, 0.2272, 0.2211



Tritanopia

24.4213, 0.2183, 0.3059

Trichromacy



Original Color

24.5509, 0.2021, 0.2331

Protanomaly

23.8553, 0.2225, 0.2333

Deuteranomaly

24.0665, 0.2144, 0.2251

Tritanomaly

24.4323, 0.2112, 0.2763

Monochromacy



Original Color

24.5509, 0.2021, 0.2331

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.3749, 0.2507, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5509, 0.2021, 0.2331 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(34, 144, 202)` looks like.

```
.text, #text, p{  
    color:rgb(34, 144, 202)  
}
```

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(34, 144, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 144, 202) }
```

Border

The CSS property to change the border of an element to Yxy 24.5509, 0.2021, 0.2331 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(34, 144, 202) }
```

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

```
.border{ border-color:rgb(34, 144, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 144, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 144, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 144, 202);  
box-shadow:4px 4px 4px 4px rgb(34, 144,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5509, 0.2021, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 144, 202) }
```

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

```
.background{ background-color: rgb(34, 144,  
202) }
```

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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