

Converting Colors

$Yxy(24.4495, 0.1975, 0.2244)$

Have a look what the booklet for
Yxy(24.4495, 0.1975, 0.2244)
contains.

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Color

Yxy(24.3584, 0.1972, 0.2232)

Conversions

Conversions Part 1

Format	Color
Hex	158FD0
RGB	21, 143, 208
RGB Percent	8%, 56%, 82%
CMY	0.9170, 0.4392, 0.1842
CMYK	0.90, 0.31, 0.00, 0.18
HSL	201°, 82%, 45%
HSV	201°, 90%, 82%
XYZ	21.5210, 24.3584, 63.2533
YIQ	113.9320, -93.5770, -5.6490

Conversions

Conversions Part 2

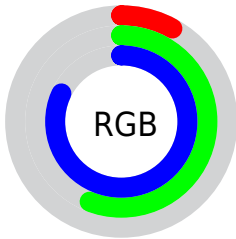
Format	Color
R_{YB}	21, 95, 208
Decimal	1413072
CIE _{Lab}	56.44, -7.51, -41.98
CIE _{LCh}	56, 42.642, 259.854
Yxy	24.3584, 0.1972, 0.2232
Android (android.graphics.Color)	4279603152 (0xFF158FD0)
YUV	113.9320, 46.3755, -81.5014
Hunter-Lab	49.3542, -8.5348, -41.4392

Details

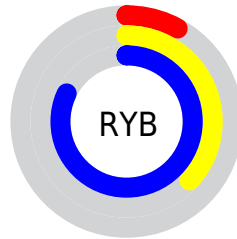
The Yxy color **24.3584, 0.1972, 0.2232** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.1552, 0.5597, 0.3824**, and the grayscale version is **16.7013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1558, 0.2237, 0.2559**, and **10.1286, 0.1881, 0.1971** is the 20% darker color. If you saturate the color by 10%, you get **22.0964, 0.1917, 0.2101**, and if you desaturate by 10%, it is **26.9338, 0.2045, 0.2365**.

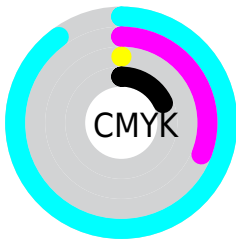
Distribution



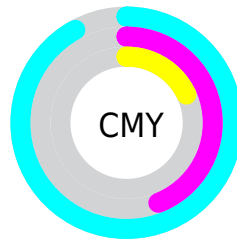
- Red (8%)
- Green (56%)
- Blue (82%)



- Red (8%)
- Yellow (37%)
- Blue (82%)



- Cyan (90%)
- Magenta (31%)
- Yellow (0%)
- Black (18%)



- Cyan (92%)
- Magenta (44%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3584, 0.1972, 0.2232 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 24.3584, 0.1972, 0.2232 by changing the saturation by 10% instead.

■ 24.3584, 0.1972,
0.2232

■ 24.3584, 0.1972,
0.2232

274.6275, 0.2574,
0.2797

■ 15.5997, 0.1820,
0.2085

■ 50.6144, 0.2193,
0.2443

■ 9.2413, 0.1628,
0.1895

■ 68.8805, 0.2276,
0.2521

■ 4.8989, 0.1378,
0.1645

■ 91.0846, 0.2345,
0.2586

■ 2.1881, 0.1054,
0.1308

■ 117.6109, 0.2405,
0.2641

■ 0.7135, 0.0592,
0.0854

■ 148.8440, 0.2456,
0.2688

■ 0.0000, 0.0000,
0.0000

185.1682, 0.2500,

0.2729

226.9679, 0.2539,
0.2765

■ 24.3584, 0.1972,
0.2232

■ 24.3584, 0.1972,
0.2232

■ 22.0964, 0.1917,
0.2101

■ 26.9338, 0.2045,
0.2365

■ 22.0574, 0.1917,
0.2099

■ 29.8785, 0.2138,
0.2499

■ 33.2269, 0.2250,
0.2632

■ 37.0075, 0.2379,
0.2761

■ 41.2456, 0.2519,
0.2884

■ 45.9642, 0.2668,
0.2999

■ 51.1842, 0.2822,
0.3106

■ 56.9254, 0.2976,
0.3203

■ 63.2062, 0.3130,
0.3292

Harmonies

Analogous

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



24.3584, 0.1847, 0.2562



24.3584, 0.1972, 0.2232



24.3584, 0.2368, 0.2174

Triad

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



24.3584, 0.1972, 0.2232



24.3584, 0.4380, 0.3207



24.3584, 0.3105, 0.4547

Complementary

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



24.3584, 0.1972, 0.2232



20.1552, 0.5597, 0.3824

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.



24.3584, 0.3807, 0.4619



24.3584, 0.1972, 0.2232



24.3584, 0.4596, 0.3754

Square

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



24.3584, 0.1972, 0.2232



24.3584, 0.3766, 0.2714



24.3584, 0.4363, 0.4275



24.3584, 0.2446, 0.3968

Rectangle

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



24.3584, 0.1972, 0.2232



24.3584, 0.2771, 0.2267



24.3584, 0.4363, 0.4275



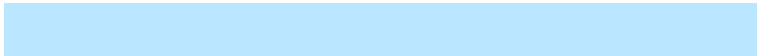
24.3584, 0.3344, 0.4630

Sweetspot

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



24.3592, 0.1972, 0.2232



74.8514, 0.2706, 0.3027



45.9137, 0.2836, 0.5325



15.4347, 0.2654, 0.2989



0.0000, 0.0000, 0.0000



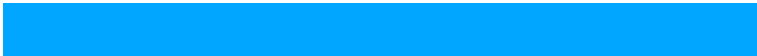
21.4041, 0.3127, 0.3290

Same Dimension

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



24.3592, 0.1972, 0.2232



34.5850, 0.1912, 0.2084



7.2007, 0.1607, 0.0894



12.6856, 0.2983, 0.3207



13.9316, 0.1922, 0.2118



0.9244, 0.1988, 0.2358

Inverse Universe

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



15.9384, 0.4189, 0.2137



24.0225, 0.4358, 0.2175



44.8635, 0.4458, 0.4778



11.9362, 0.3190, 0.3140



9.4777, 0.4322, 0.2154



0.5446, 0.4067, 0.2014

Previews

White Background



This preview shows how the Yxy color 24.3584, 0.1972, 0.2232 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 24.3584, 0.1972, 0.2232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

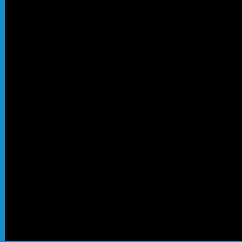
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

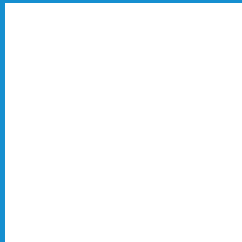
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3584, 0.1972, 0.2232

Background



This preview shows how black text looks on a background with the Yxy color 24.3584, 0.1972, 0.2232.

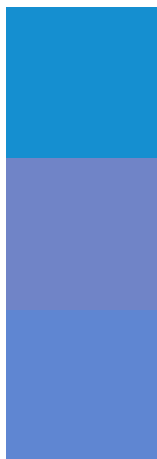


This preview shows how white text looks on a background with the Yxy color 24.3584, 0.1972, 0.2232.

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

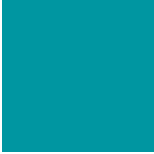
24.3584, 0.1972, 0.2232

Protanopia

24.0708, 0.2367, 0.2257

Deuteranopia

24.1362, 0.2195, 0.2130



Tritanopia

24.3859, 0.2188, 0.3078

Trichromacy



Original Color

24.3584, 0.1972, 0.2232

Protanomaly

23.5349, 0.2152, 0.2232

Deuteranomaly

23.7237, 0.2071, 0.2152

Tritanomaly

24.1334, 0.2098, 0.2727

Monochromacy



Original Color

24.3584, 0.1972, 0.2232

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.5108, 0.2450, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3584, 0.1972, 0.2232 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(21, 143, 208)` looks like.

```
.text, #text, p{  
    color:rgb(21, 143, 208)  
}
```

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(21, 143, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 143, 208) }
```

Border

The CSS property to change the border of an element to Yxy 24.3584, 0.1972, 0.2232 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(21, 143, 208) }
```

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

```
.border{ border-color:rgb(21, 143, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 143, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 143, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 143, 208);  
box-shadow:4px 4px 4px 4px rgb(21, 143,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3584, 0.1972, 0.2232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 143, 208) }
```

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

```
.background{ background-color: rgb(21, 143,  
208) }
```

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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