

Converting Colors

XYZ(24.2373, 24.1839, 40.4841)

Have a look what the booklet for
XYZ(24.2373, 24.1839, 40.4841)
contains.

XYZ(24.2078, 24.1142, 40.4244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.2078, 24.1142,
40.4244)**

Conversions

Conversions Part 1

Format	Color
Hex	7F85A8
RGB	127, 133, 168
RGB Percent	50%, 52%, 66%
CMY	0.5020, 0.4784, 0.3412
CMYK	0.24, 0.21, 0.00, 0.34
HSL	231°, 19%, 58%
HSV	231°, 24%, 66%
XYZ	24.2078, 24.1142, 40.4244
YIQ	135.1960, -14.8110, 9.6130

Conversions

Conversions Part 2

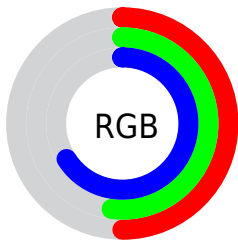
Format	Color
R_{YB}	127, 132, 168
Decimal	8357288
CIE _{Lab}	56.20, 5.72, -19.26
CIE _{LCh}	56, 20.091, 286.552
Y _{xy}	24.1142, 0.2728, 0.2717
Android (android.graphics.Color)	4286547368 (0xFF7F85A8)
YUV	135.1960, 16.1724, -7.1879
Hunter-Lab	49.1062, 2.0590, -14.4334

Details

The XYZ color **24.2078, 24.1142, 40.4244** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **32.8999, 35.6980, 25.2358**, and the grayscale version is **23.0482, 24.2485, 26.4067**.

A 20% lighter version of the original color is **49.7006, 50.1488, 76.8722**, and **9.3833, 9.1794, 17.8002** is the 20% darker color. If you saturate the color by 10%, you get **20.0801, 19.2684, 39.7070**, and if you desaturate by 10%, it is **29.0223, 29.7132, 41.2518**.

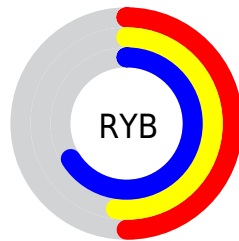
Distribution



Red (50%)

Green (52%)

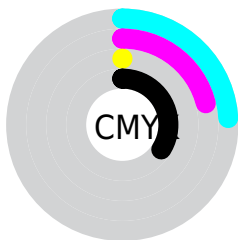
Blue (66%)



Red (50%)

Yellow (52%)

Blue (66%)

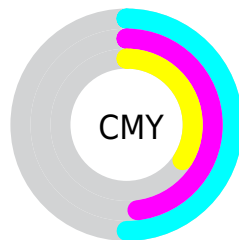


Cyan (24%)

Magenta (21%)

Yellow (0%)

Black (34%)



Cyan (50%)

Magenta (48%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2078, 24.1142, 40.4244 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 XYZ color 24.2078, 24.1142, 40.4244 by changing the saturation by 10% instead.

■ 24.2078, 24.1142,
40.4244

■ 24.2078, 24.1142,
40.4244

266.2904,
273.3973, 363.5143

■ 15.6134, 15.4184,
27.5533

■ 49.8213, 50.2165,
77.0535

■ 9.3401, 9.1135,
17.7531

■ 67.5711, 68.3917,
101.6486

■ 5.0226, 4.8153,
10.6053

■ 89.1035, 90.4956,
130.9887

■ 2.2954, 2.1393,
5.6913

114.7837,
116.9124, 165.4924

■ 0.7923, 0.6866,
2.5925

144.9771,
148.0266, 205.5783

■ 0.0000, 0.0000,
0.8886

180.0491,

■ 0.0000, 0.0000,

184.2225, 251.6649

0.0000

220.3651,
225.8846, 304.1707

■ 24.2078, 24.1142,
40.4244

■ 24.2078, 24.1142,
40.4244

■ 20.0801, 19.2684,
39.7070

■ 29.0223, 29.7132,
41.2518

■ 16.6056, 15.1406,
39.0934

■ 34.5508, 36.0929,
42.1918

■ 13.7509, 11.6972,
38.5792

■ 40.8217, 43.2826,
43.2490

■ 11.4790, 8.9008,
38.1592

■ 47.8613, 51.3097,
44.4274

■ 9.7489, 6.7101,
37.8275

■ 55.6944, 60.1999,
45.7305

■ 8.5139, 5.0789,
37.5778

■ 64.3448, 69.9780,
47.1620

■ 7.7189, 3.9543,
37.4026

■ 73.8355, 80.6679,
48.7251

■ 7.4069, 3.5050,
37.3323

■ 81.7932, 91.0576,
50.3111

■ 84.0680, 95.6072,
51.0694

Harmonies

Analogous

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



21.9029, 24.1142, 40.6625



24.2078, 24.1142, 40.4244



26.2958, 24.1142, 36.0048

Triad

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



24.2078, 24.1142, 40.4244



26.1099, 24.1142, 18.0661



18.8681, 24.1142, 23.4094

Complementary

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



24.2078, 24.1142, 40.4244



32.8999, 35.6980, 25.2358

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.



19.8459, 24.1142, 18.4483



24.2078, 24.1142, 40.4244



23.9677, 24.1142, 15.7314

Square

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



24.2078, 24.1142, 40.4244



27.4435, 24.1142, 22.7986



21.6784, 24.1142, 15.8585



18.9228, 24.1142, 30.0470

Rectangle

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



24.2078, 24.1142, 40.4244



27.2381, 24.1142, 31.6466



21.6784, 24.1142, 15.8585



19.0839, 24.1142, 21.5157

Sweetspot

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



24.2086, 24.1152, 40.4250



59.8321, 62.1974, 76.0769



29.2638, 35.1211, 39.3497



12.9159, 13.4124, 16.5603



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.2086, 24.1152, 40.4250



39.9357, 39.0829, 72.6640



25.7020, 23.7001, 40.2661



7.2171, 7.4712, 9.4800



5.6176, 2.6954, 28.1997



0.1623, 0.1168, 0.6946

Inverse Universe

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



27.9721, 25.1977, 25.5806



47.9350, 41.5010, 41.0866



31.0938, 36.3738, 25.4614



7.5742, 7.5595, 8.0749



12.3361, 6.3432, 1.3155



0.3131, 0.1595, 0.1000

Previews

White Background



This preview shows how the XYZ color 24.2078, 24.1142, 40.4244 looks on a white background.

Color Contrast Check

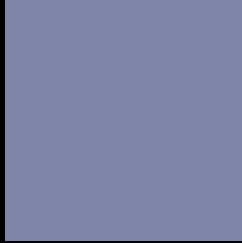
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.2078, 24.1142, 40.4244 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](#).

XYZ 24.2078, 24.1142, 40.4244

Background



This preview shows how black text looks on a background with the XYZ color 24.2078, 24.1142, 40.4244.



This preview shows how white text looks on a background with the XYZ color 24.2078, 24.1142,

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

24.2078, 24.1142, 40.4244

Protanopia

24.0596, 24.0378, 40.4175

Deuteranopia

24.5251, 24.0755, 40.4002



Tritanopia

22.4593, 24.2404, 31.5121

Trichromacy



Original Color

24.2078, 24.1142, 40.4244

Protanomaly

24.0596, 24.0378, 40.4175

Deuteranomaly

24.3724, 23.9968, 40.3931

Tritanomaly

23.0327, 24.2600, 34.4790

Monochromacy



Original Color

24.2078, 24.1142, 40.4244

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.3073, 24.0623, 31.0198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2078, 24.1142, 40.4244 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(127, 133, 168)` looks like.

```
.text, #text, p{  
    color:rgb(127, 133, 168)  
}
```

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(127, 133, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 133, 168) }
```

Border

The CSS property to change the border of an element to XYZ 24.2078, 24.1142, 40.4244 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(127, 133, 168) }
```


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

```
.border{ border-color:rgb(127, 133, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 133, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 133, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 133, 168);  
box-shadow:4px 4px 4px 4px rgb(127, 133,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2078, 24.1142, 40.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 133, 168) }
```

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

```
.background{ background-color: rgb(127,  
133, 168) }
```

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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