

Converting Colors

XYZ(40.2445, 43.2950, 58.6744)

Have a look what the booklet for
XYZ(40.2445, 43.2950, 58.6744)
contains.

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Color

**XYZ(40.1823, 43.1972,
58.4446)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB2C4
RGB	159, 178, 196
RGB Percent	62%, 70%, 77%
CMY	0.3765, 0.3019, 0.2314
CMYK	0.19, 0.09, 0.00, 0.23
HSL	209°, 24%, 70%
HSV	209°, 19%, 77%
XYZ	40.1823, 43.1972, 58.4446
YIQ	174.3710, -17.1020, 1.5700

Conversions

Conversions Part 2

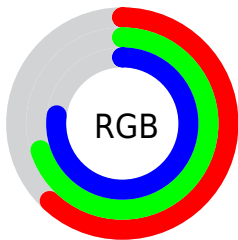
Format	Color
R_{YB}	159, 172, 196
Decimal	10465988
CIE _{Lab}	71.69, -2.71, -11.35
CIE _{LCh}	72, 11.670, 256.595
Yxy	43.1972, 0.2833, 0.3046
Android (android.graphics.Color)	4288656068 (0xFF9FB2C4)
YUV	174.3710, 10.6631, -13.4804
Hunter-Lab	65.7246, -5.8877, -6.7155

Details

The XYZ color **40.1823, 43.1972, 58.4446** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.7456, 45.6835, 39.2614**, and the grayscale version is **40.3771, 42.4798, 46.2605**.

A 20% lighter version of the original color is **74.8840, 80.2336, 104.4683**, and **18.2795, 19.7460, 28.4391** is the 20% darker color. If you saturate the color by 10%, you get **34.7681, 37.6881, 57.6673**, and if you desaturate by 10%, it is **46.3472, 49.2913, 59.2966**.

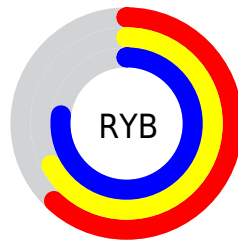
Distribution



Red (62%)

Green (70%)

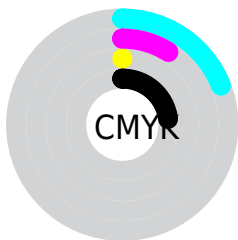
Blue (77%)



Red (62%)

Yellow (67%)

Blue (77%)

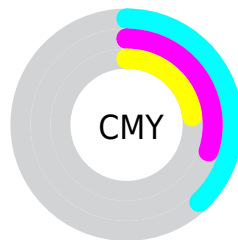


Cyan (19%)

Magenta (9%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (30%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1823, 43.1972, 58.4446 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 40.1823, 43.1972, 58.4446 by changing the saturation by 10% instead.

■ 40.1823, 43.1972,
58.4446

■ 40.1823, 43.1972,
58.4446

338.0126,
359.4221, 436.4850

■ 27.8656, 30.0399,
41.7491

■ 74.7236, 80.0084,
104.0912

■ 18.3643, 19.8689,
28.5808

■ 97.6789, 104.4310,
133.8794

■ 11.3131, 12.2997,
18.5211

124.9110,
133.3775, 168.8689

■ 6.3467, 6.9482,
11.1514

156.7854,
167.2323, 209.4782

■ 3.0997, 3.4297,
6.0533

193.6674,
206.3797, 256.1260

■ 1.2067, 1.3600,
2.8082

235.9224,

■ 0.1116, 0.1869,

251.2043, 309.2307

0.9976

283.9157,
302.0903, 369.2108

■ 0.0000, 0.0000,
0.0000

■ 40.1823, 43.1972,
58.4446

■ 40.1823, 43.1972,
58.4446

■ 34.7681, 37.6881,
57.6673

■ 46.3472, 49.2913,
59.2966

■ 30.0692, 32.7385,
56.9596

■ 53.2887, 55.9841,
60.2226

■ 26.0528, 28.3284,
56.3200

■ 61.0360, 63.2957,
61.2256

■ 22.6819, 24.4346,
55.7461

■ 69.6155, 71.2432,
62.3074

■ 19.9155, 21.0316,
55.2351

■ 78.3119, 79.4615,
63.4354

■ 17.7074, 18.0911,
54.7839

■ 80.9721, 84.7819,
64.3221

■ 16.0038, 15.5805,
54.3891

■ 83.7787, 90.3950,
65.2576

■ 14.7164, 13.4495,
54.0456

■ 86.7338, 96.3053,
66.2427

■ 14.5846, 13.2269,
54.0096

■ 86.9639, 96.7656,
66.3194

Harmonies

Analogous

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



38.4995, 43.1972, 55.3993



40.1823, 43.1972, 58.4446



42.1534, 43.1972, 58.2634

Triad

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



40.1823, 43.1972, 58.4446



44.8111, 43.1972, 43.9918



38.3562, 43.1972, 39.9403

Complementary

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



40.1823, 43.1972, 58.4446



44.7456, 45.6835, 39.2614

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.



39.9810, 43.1972, 37.3497



40.1823, 43.1972, 58.4446



43.7267, 43.1972, 39.5570

Square

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



40.1823, 43.1972, 58.4446



44.8693, 43.1972, 49.6048



41.9456, 43.1972, 37.2152



37.4682, 43.1972, 44.5544

Rectangle

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



40.1823, 43.1972, 58.4446



43.3668, 43.1972, 56.3319



41.9456, 43.1972, 37.2152



38.8319, 43.1972, 38.8207

Sweetspot

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



40.1836, 43.1990, 58.4456



87.3149, 92.5558, 107.8708



41.9631, 50.0213, 48.9783



18.5156, 19.6426, 23.0655



0.0000, 0.0000, 0.0000



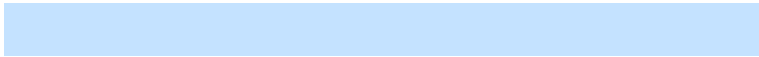
20.3446, 21.4041, 23.3091

Same Dimension

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



40.1836, 43.1990, 58.4456



68.2306, 73.6517, 105.2278



36.7673, 36.3665, 57.3068



9.9464, 10.5842, 12.8035



9.4576, 8.6718, 34.7320



0.4775, 0.5123, 1.5236

Inverse Universe

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



43.2000, 39.7475, 47.5165



74.8511, 66.4148, 81.1647



48.6248, 53.4420, 40.5545



10.2843, 10.1623, 11.5875



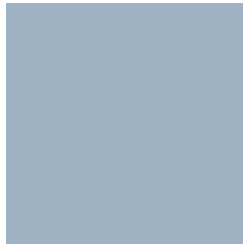
16.1697, 8.1577, 8.8059



0.7334, 0.3664, 0.5634

Previews

White Background



This preview shows how the XYZ color 40.1823, 43.1972, 58.4446 looks on a white background.

Color Contrast Check

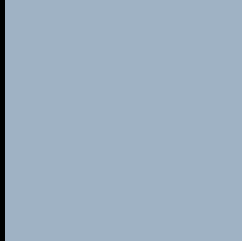
Large Text (above 18pt) WCAG AA × Fail

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 40.1823, 43.1972, 58.4446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

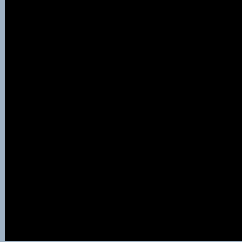
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1823, 43.1972, 58.4446

Background



This preview shows how black text looks on a background with the XYZ color 40.1823, 43.1972, 58.4446.



This preview shows how white text looks on a background with the XYZ color 40.1823, 43.1972,

58.4446.

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

40.1823, 43.1972, 58.4446

Protanopia

42.1072, 43.0514, 57.1294

Deuteranopia

43.9324, 43.1021, 58.8274



Tritanopia

39.8463, 43.3596, 56.7212

Trichromacy



Original Color

40.1823, 43.1972, 58.4446

Protanomaly

41.3287, 42.9249, 57.7368

Deuteranomaly

42.6697, 43.3020, 58.9325

Tritanomaly

39.9583, 43.4043, 57.3108

Monochromacy



Original Color

40.1823, 43.1972, 58.4446

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.1357, 42.4724, 50.3386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1823, 43.1972, 58.4446 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(159, 178, 196)` looks like.

```
.text, #text, p{  
    color:rgb(159, 178, 196)  
}
```

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(159, 178, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 178, 196) }
```

Border

The CSS property to change the border of an element to XYZ 40.1823, 43.1972, 58.4446 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(159, 178, 196) }
```


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

```
.border{ border-color:rgb(159, 178, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 178, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 178, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 178, 196);  
box-shadow:4px 4px 4px 4px rgb(159, 178,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1823, 43.1972, 58.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 178, 196) }
```

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

```
.background{ background-color: rgb(159,  
178, 196) }
```

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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