

Converting Colors

XYZ(40.0267, 41.5013, 50.6706)

Have a look what the booklet for
XYZ(40.0267, 41.5013, 50.6706)
contains.

XYZ(40.0944, 41.5819, 50.7127)	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(40.0944, 41.5819,
50.7127)**

Conversions

Conversions Part 1

Format	Color
Hex	ABACB7
RGB	171, 172, 183
RGB Percent	67%, 67%, 72%
CMY	0.3294, 0.3255, 0.2823
CMYK	0.07, 0.06, 0.00, 0.28
HSL	235°, 8%, 69%
HSV	235°, 7%, 72%
XYZ	40.0944, 41.5819, 50.7127
YIQ	172.9550, -4.1270, 3.2090

Conversions

Conversions Part 2

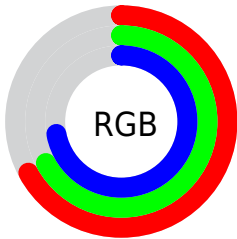
Format	Color
R_{YB}	171, 172, 183
Decimal	11250871
CIE Lab	70.58, 1.79, -5.75
CIE LCh	71, 6.024, 287.306
Yxy	41.5819, 0.3029, 0.3141
Android (android.graphics.Color)	4289440951 (0xFFABACB7)
YUV	172.9550, 4.9522, -1.7145
Hunter-Lab	64.4840, -1.8606, -1.4891

Details

The XYZ color **40.0944, 41.5819, 50.7127** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.6073, 46.4632, 45.1988**, and the grayscale version is **39.6757, 41.7419, 45.4569**.

A 20% lighter version of the original color is **74.4131, 77.3389, 92.6673**, and **18.3535, 18.9666, 23.8127** is the 20% darker color. If you saturate the color by 10%, you get **33.3881, 33.6825, 49.5421**, and if you desaturate by 10%, it is **47.7579, 50.5750, 52.0453**.

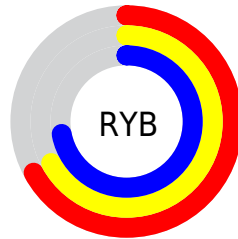
Distribution



Red (67%)

Green (67%)

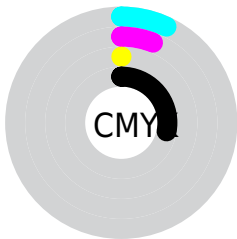
Blue (72%)



Red (67%)

Yellow (67%)

Blue (72%)

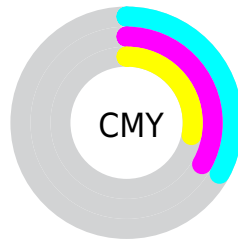


Cyan (7%)

Magenta (6%)

Yellow (0%)

Black (28%)



Cyan (33%)

Magenta (33%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0944, 41.5819, 50.7127 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 40.0944, 41.5819, 50.7127 by changing the saturation by 10% instead.

■ 40.0944, 41.5819,
50.7127

■ 40.0944, 41.5819,
50.7127

337.6489,
352.7468, 406.2612

■ 27.7967, 28.7741,
35.6049

■ 74.5907, 77.5665,
92.6371

■ 18.3121, 18.9100,
23.8419

97.5199, 101.5119,
120.2908

■ 11.2754, 11.6052,
15.0053

124.7238,
129.9388, 152.9634

■ 6.3210, 6.4755,
8.6764

156.5675,
163.2313, 191.0737

■ 3.0837, 3.1363,
4.4368

193.4166,
201.7740, 235.0401

■ 1.1982, 1.2033,
1.8679

235.6362,

■ 0.1050, 0.0644,

245.9512, 285.2811

0.4722

283.5919,
296.1474, 342.2152

■ 0.0000, 0.0000,
0.0000

■ 40.0944, 41.5819,
50.7127

■ 40.0944, 41.5819,
50.7127

■ 33.3881, 33.6825,
49.5421

■ 47.7579, 50.5750,
52.0453

■ 27.5978, 26.8300,
48.5246

■ 56.4103, 60.6958,
53.5428

■ 22.6849, 20.9820,
47.6547

■ 66.0865, 71.9834,
55.2115

■ 18.6063, 16.0912,
46.9257

■ 76.8184, 84.4734,
57.0567

■ 15.3155, 12.1065,
46.3300

■ 85.5474, 96.1989,
58.8599

■ 12.7615, 8.9720,
45.8596

■ 10.8870, 6.6254,
45.5055

■ 9.6263, 4.9962,
45.2574

■ 8.8956, 3.9982,
45.1033

Harmonies

Analogous

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



39.1033, 41.5819, 50.8359



40.0944, 41.5819, 50.7127



40.9457, 41.5819, 49.0948

Triad

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



40.0944, 41.5819, 50.7127



40.8343, 41.5819, 41.3654



37.6846, 41.5819, 44.0819

Complementary

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



40.0944, 41.5819, 50.7127



43.6073, 46.4632, 45.1988

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.



38.1323, 41.5819, 41.6598



40.0944, 41.5819, 50.7127



39.9444, 41.5819, 40.1363

Square

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



40.0944, 41.5819, 50.7127



41.3778, 41.5819, 43.6646



38.9558, 41.5819, 40.2417



37.7232, 41.5819, 46.9257

Rectangle

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



40.0944, 41.5819, 50.7127



41.3144, 41.5819, 47.4233



38.9558, 41.5819, 40.2417



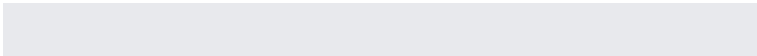
37.7829, 41.5819, 43.1937

Sweetspot

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



40.0956, 41.5837, 50.7136



77.8022, 81.5137, 91.8688



42.1516, 45.8948, 50.7853



17.2159, 18.0411, 20.2965



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.0956, 41.5837, 50.7136



69.8057, 72.1182, 90.4768



40.9702, 41.7524, 50.7001



8.5798, 8.8369, 11.3329



6.1066, 2.6728, 31.4471



0.2356, 0.1350, 1.1154

Inverse Universe

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



41.5387, 42.1726, 44.9826



72.9796, 73.4203, 77.8708



42.6909, 46.2966, 45.2150



9.0343, 9.0241, 9.5278



13.6960, 7.0522, 1.0200



0.4931, 0.2527, 0.0901

Previews

White Background



This preview shows how the XYZ color 40.0944, 41.5819, 50.7127 looks on a white background.

Color Contrast Check

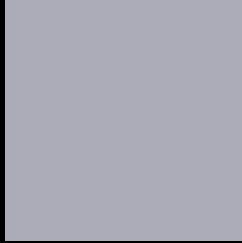
Large Text (above 18pt) WCAG AA × Fail

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 40.0944, 41.5819, 50.7127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

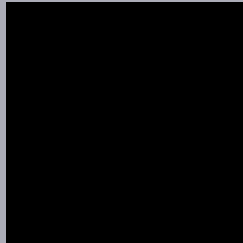
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

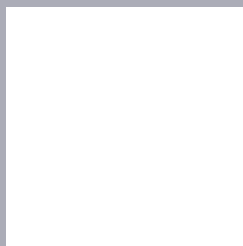
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0944, 41.5819, 50.7127

Background



This preview shows how black text looks on a background with the XYZ color 40.0944, 41.5819, 50.7127.

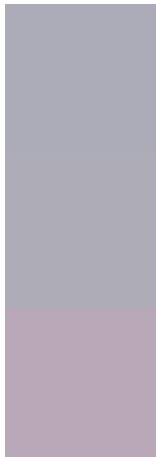


This preview shows how white text looks on a background with the XYZ color 40.0944, 41.5819,

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

40.0944, 41.5819, 50.7127

Protanopia

40.5333, 41.8082, 50.7332

Deuteranopia

42.4215, 41.6563, 51.1520



Tritanopia

40.3041, 41.6658, 51.8170

Trichromacy



Original Color

40.0944, 41.5819, 50.7127

Protanomaly

40.3130, 41.6946, 50.7229

Deuteranomaly

41.4301, 41.4203, 51.1587

Tritanomaly

40.1988, 41.6237, 51.2629

Monochromacy



Original Color

40.0944, 41.5819, 50.7127

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.8926, 41.8321, 47.5668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0944, 41.5819, 50.7127 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(171, 172, 183)` looks like.

```
.text, #text, p{  
    color:rgb(171, 172, 183)  
}
```

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(171, 172, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 172, 183) }
```

Border

The CSS property to change the border of an element to XYZ 40.0944, 41.5819, 50.7127 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(171, 172, 183) }
```


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

```
.border{ border-color:rgb(171, 172, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 172, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 172, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 172, 183);  
box-shadow:4px 4px 4px 4px rgb(171, 172,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0944, 41.5819, 50.7127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 172, 183) }
```

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

```
.background{ background-color: rgb(171,  
172, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor