

Converting Colors

XYZ(40.1515, 42.8907, 48.5462)

Have a look what the booklet for
XYZ(40.1515, 42.8907, 48.5462)
contains.

XYZ(40.2396, 42.8514, 48.7981)	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(40.2396, 42.8514,
48.7981)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB0B3
RGB	170, 176, 179
RGB Percent	67%, 69%, 70%
CMY	0.3333, 0.3098, 0.2980
CMYK	0.05, 0.02, 0.00, 0.30
HSL	200°, 6%, 68%
HSV	200°, 5%, 70%
XYZ	40.2396, 42.8514, 48.7981
YIQ	174.5480, -4.5390, -0.3390

Conversions

Conversions Part 2

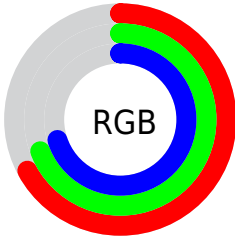
Format	Color
RYB	170, 174, 179
Decimal	11186355
CIELab	71.45, -1.52, -2.27
CIELCh	71, 2.731, 236.279
Yxy	42.8514, 0.3051, 0.3249
Android (android.graphics.Color)	4289376435 (0xFFAAB0B3)
YUV	174.5480, 2.1948, -3.9886
Hunter-Lab	65.4610, -4.8308, 1.6248

Details

The XYZ color **40.2396, 42.8514, 48.7981** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.7898, 42.3728, 44.0598**, and the grayscale version is **40.5058, 42.6153, 46.4081**.

A 20% lighter version of the original color is **74.9033, 79.7189, 90.0367**, and **18.4448, 19.7732, 22.5831** is the 20% darker color. If you saturate the color by 10%, you get **35.4875, 38.7055, 48.2490**, and if you desaturate by 10%, it is **45.5724, 47.3752, 49.3909**.

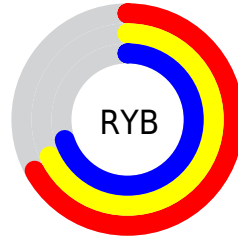
Distribution



Red (67%)

Green (69%)

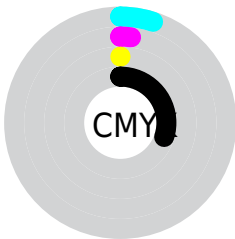
Blue (70%)



Red (67%)

Yellow (68%)

Blue (70%)

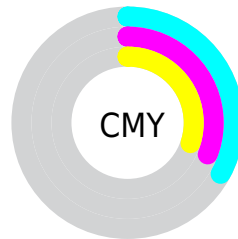


Cyan (5%)

Magenta (2%)

Yellow (0%)

Black (30%)



Cyan (33%)

Magenta (31%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2396, 42.8514, 48.7981 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 40.2396, 42.8514, 48.7981 by changing the saturation by 10% instead.

■ 40.2396, 42.8514,
48.7981

■ 40.2396, 42.8514,
48.7981

338.2495,
358.0003, 398.5465

■ 27.9104, 29.7685,
34.0949

■ 74.8103, 79.4866,
89.7694

■ 18.3983, 19.6630,
22.6885

97.7825, 103.8077,
116.8745

■ 11.3377, 12.1503,
14.1606

125.0331,
132.6436, 148.9508

■ 6.3634, 6.8461,
8.0924

156.9274,
166.3789, 186.4166

■ 3.1101, 3.3660,
4.0655

193.8309,
205.3977, 229.6905

■ 1.2122, 1.3257,
1.6614

236.1088,

■ 0.1160, 0.1610,

250.0847, 279.1911

0.3340

284.1266,
300.8241, 335.3369

0.0000, 0.0000,
0.0000

40.2396, 42.8514,
48.7981

40.2396, 42.8514,
48.7981

35.4875, 38.7055,
48.2490

45.5724, 47.3752,
49.3909

31.2906, 34.9199,
47.7395

51.5028, 52.2831,
50.0256

27.6269, 31.4834,
47.2693

58.0516, 57.5878,
50.7044

24.4714, 28.3822,
46.8370

65.2374, 63.2999,
51.4282

21.7971, 25.6012,
46.4412

71.4022, 68.5656,
52.1196

■ 19.5742, 23.1241,
46.0802

■ 72.8629, 71.4870,
52.6065

■ 17.7693, 20.9326,
45.7523

■ 74.3786, 74.5184,
53.1118

■ 16.3440, 19.0059,
45.4555

■ 75.9499, 77.6609,
53.6355

■ 15.2514, 17.3185,
45.1874

■ 77.5773, 80.9157,
54.1780

Harmonies

Analogous

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



39.9405, 42.8514, 47.7892



40.2396, 42.8514, 48.7981



40.6716, 42.8514, 49.2333

Triad

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



40.2396, 42.8514, 48.7981



41.6186, 42.8514, 46.8226



40.3384, 42.8514, 44.4218

Complementary

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



40.2396, 42.8514, 48.7981



40.7898, 42.3728, 44.0598

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.



40.7864, 42.8514, 44.1739



40.2396, 42.8514, 48.7981



41.5277, 42.8514, 45.5446

Square

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



40.2396, 42.8514, 48.7981



41.4696, 42.8514, 48.0793



41.2223, 42.8514, 44.5812



39.9972, 42.8514, 45.2648

Rectangle

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



40.2396, 42.8514, 48.7981



40.9776, 42.8514, 49.1336



41.2223, 42.8514, 44.5812



40.4814, 42.8514, 44.2668

Sweetspot

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



40.2408, 42.8532, 48.7990



74.8177, 79.1013, 87.7059



40.2267, 43.7983, 45.7935



16.5981, 17.5439, 19.4337



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



40.2408, 42.8532, 48.7990



71.1063, 75.9186, 87.2872



39.4009, 41.1735, 48.5191



8.8031, 9.4085, 10.8584



10.5059, 11.8122, 31.8632



0.3815, 0.4735, 1.0195

Inverse Universe

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



40.8026, 41.4686, 46.9302



72.3216, 72.9418, 83.2400



41.6381, 44.0694, 44.3426



8.9645, 9.0140, 10.3206



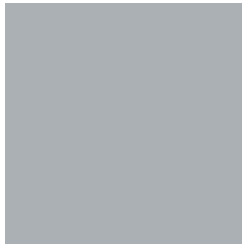
15.5375, 7.7326, 13.2566



0.5146, 0.2536, 0.5525

Previews

White Background



This preview shows how the XYZ color 40.2396, 42.8514, 48.7981 looks on a white background.

Color Contrast Check

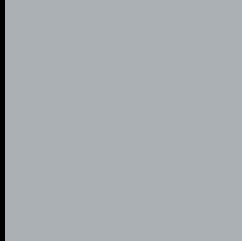
Large Text (above 18pt) WCAG AA × Fail

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 40.2396, 42.8514, 48.7981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

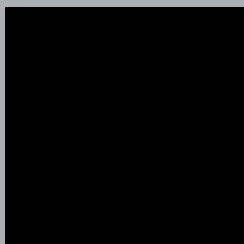
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

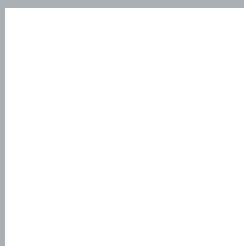
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2396, 42.8514, 48.7981

Background



This preview shows how black text looks on a background with the XYZ color 40.2396, 42.8514, 48.7981.



This preview shows how white text looks on a background with the XYZ color 40.2396, 42.8514,

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

40.2396, 42.8514, 48.7981

Protanopia

41.3034, 42.8336, 48.2103

Deuteranopia

43.5992, 42.8636, 49.1556



Tritanopia

41.4203, 43.0614, 53.7056

Trichromacy



Original Color

40.2396, 42.8514, 48.7981

Protanomaly

40.8214, 42.8730, 48.2433

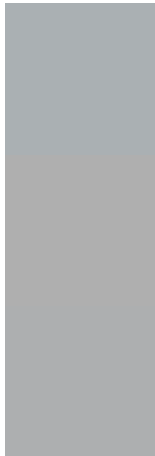
Deuteranomaly

42.2821, 42.7454, 49.2022

Tritanomaly

40.8815, 42.8207, 52.0095

Monochromacy



Original Color

40.2396, 42.8514, 48.7981

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.4000, 42.6788, 47.1828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2396, 42.8514, 48.7981 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(170, 176, 179)` looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 179)  
}
```

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(170, 176, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.2396, 42.8514, 48.7981 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(170, 176, 179) }
```


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

```
.border{ border-color:rgb(170, 176, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 176, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 176, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 176, 179);  
box-shadow:4px 4px 4px 4px rgb(170, 176,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2396, 42.8514, 48.7981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 179) }
```

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

```
.background{ background-color: rgb(170,  
176, 179) }
```

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