

Converting Colors

XYZ(40.5559, 43.7680, 70.1306)

Have a look what the booklet for
XYZ(40.5559, 43.7680, 70.1306)
contains.

XYZ(40.4915, 43.7006, 69.9193)	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(40.4915, 43.7006,
69.9193)**

Conversions

Conversions Part 1	
Format	Color
Hex	93B4D6
RGB	147, 180, 214
RGB Percent	58%, 71%, 84%
CMY	0.4235, 0.2941, 0.1608
CMYK	0.31, 0.16, 0.00, 0.16
HSL	210°, 45%, 71%
HSV	210°, 31%, 84%
XYZ	40.4915, 43.7006, 69.9193
YIQ	174.0090, -30.5820, 3.5780

Conversions

Conversions Part 2

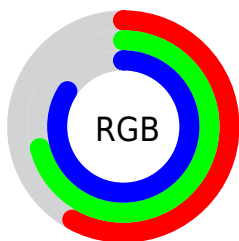
Format	Color
RYB	147, 169, 214
Decimal	9680086
CIELab	72.03, -3.21, -20.78
CIELCh	72, 21.022, 261.222
Yxy	43.7006, 0.2627, 0.2836
Android (android.graphics.Color)	4287870166 (0xFF93B4D6)
YUV	174.0090, 19.7156, -23.6869
Hunter-Lab	66.1064, -6.3515, -16.4352

Details

The XYZ color **40.4915, 43.7006, 69.9193** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.5227, 49.4511, 34.5399**, and the grayscale version is **40.1511, 42.2420, 46.0016**.

A 20% lighter version of the original color is **72.4026, 79.7675, 106.1884**, and **18.4635, 20.0616, 35.7000** is the 20% darker color. If you saturate the color by 10%, you get **34.8983, 37.6902, 69.0547**, and if you desaturate by 10%, it is **46.9731, 50.4260, 70.8766**.

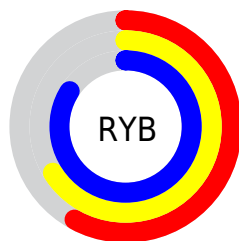
Distribution



Red (58%)

Green (71%)

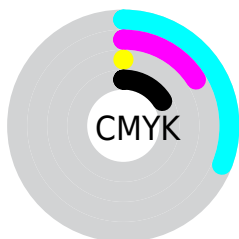
Blue (84%)



Red (58%)

Yellow (66%)

Blue (84%)

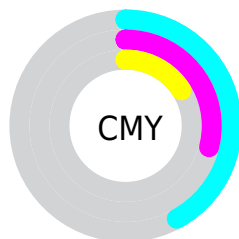


Cyan (31%)

Magenta (16%)

Yellow (0%)

Black (16%)



Cyan (42%)


Magenta (29%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4915, 43.7006, 69.9193 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 40.4915, 43.7006, 69.9193 by changing the saturation by 10% instead.


 40.4915, 43.7006,
69.9193


 40.4915, 43.7006,
69.9193


339.2898,
361.4851, 479.0481

 28.1079, 30.4352,
50.9843


 75.1910, 80.7670,
120.7737

 18.5479, 20.1692,
35.8195


 98.2375, 105.3369,
153.5302

 11.4461, 12.5181,
24.0062


125.5691,
134.4436, 191.7310

 6.4372, 7.0975,
15.1260

157.5511,
168.4717, 235.7947

 3.1559, 3.5232,
8.7603

194.5488,
207.8055, 286.1396

 1.2367, 1.4106,
4.4905


236.9276,

 0.1351, 0.2245,


252.8294, 343.1845


1.8981


285.0528,
303.9278, 407.3478


 0.0000, 0.0000,
0.4915


 0.0000, 0.0000,
0.0000

 40.4915, 43.7006,
69.9193


 40.4915, 43.7006,
69.9193


 34.8983, 37.6902,
69.0547


 46.9731, 50.4260,
70.8766


 30.1457, 32.3613,
68.2766

 54.3793, 57.8877,
71.9265

 26.1876, 27.6851,
67.5826

 62.7492, 66.1123,
73.0728

 22.9712, 23.6282,
66.9691

 72.1184, 75.1234,
74.3183

■ 20.4363, 20.1530,
66.4319

■ 82.5205, 84.9434,
75.6655

■ 18.5119, 17.2162,
65.9665

■ 86.0785, 91.5165,
76.7468

■ 17.2309, 15.0415,
65.6142

■ 89.1378, 97.6351,
77.7665

Harmonies

Analogous

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



37.3607, 43.7006, 64.7203



40.4915, 43.7006, 69.9193



44.0856, 43.7006, 68.4953

Triad

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



40.4915, 43.7006, 69.9193



48.3097, 43.7006, 40.7783



36.3832, 43.7006, 36.2427

Complementary

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



40.4915, 43.7006, 69.9193



49.5227, 49.4511, 34.5399

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.



39.0868, 43.7006, 31.4291



40.4915, 43.7006, 69.9193



46.0116, 43.7006, 33.7734

Square

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



40.4915, 43.7006, 69.9193



48.7393, 43.7006, 50.6639



42.5985, 43.7006, 30.5952



35.0801, 43.7006, 44.6287

Rectangle

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



40.4915, 43.7006, 69.9193



46.2536, 43.7006, 64.0569



42.5985, 43.7006, 30.5952



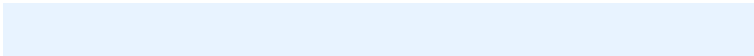
37.1508, 43.7006, 34.2067

Sweetspot

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



40.4929, 43.7023, 69.9203



83.5016, 88.6975, 107.3271



44.3695, 57.6129, 52.2306



17.4974, 18.6130, 22.9204



0.0000, 0.0000, 0.0000



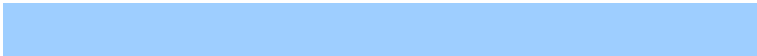
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4929, 43.7023, 69.9203



54.2003, 58.5594, 103.0542



34.6051, 31.9268, 67.9577



12.2427, 13.0087, 15.8032



10.5186, 9.2990, 39.6937



0.7172, 0.7264, 2.4217

Inverse Universe

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



46.4047, 38.4602, 48.1596



64.6037, 50.1958, 64.5672



57.0455, 64.4967, 37.0476



12.6757, 12.5218, 14.2324



18.3682, 9.2836, 9.2428



1.1496, 0.5766, 0.7774

Previews

White Background



This preview shows how the XYZ color 40.4915, 43.7006, 69.9193 looks on a white background.

Color Contrast Check

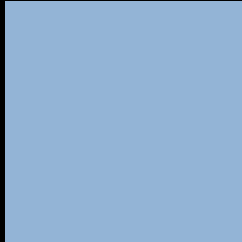
Large Text (above 18pt) WCAG AA × Fail

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 40.4915, 43.7006, 69.9193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

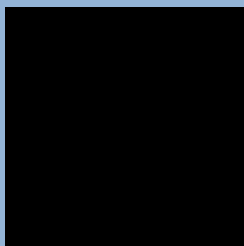
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

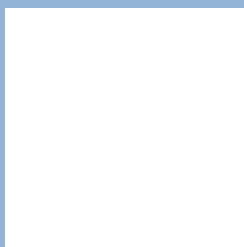
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4915, 43.7006, 69.9193

Background



This preview shows how black text looks on a background with the XYZ color 40.4915, 43.7006, 69.9193.

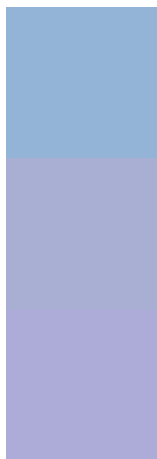


This preview shows how white text looks on a background with the XYZ color 40.4915, 43.7006,

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

40.4915, 43.7006, 69.9193

Protanopia

43.3250, 43.7481, 67.1335

Deuteranopia

44.3808, 43.3472, 70.9935



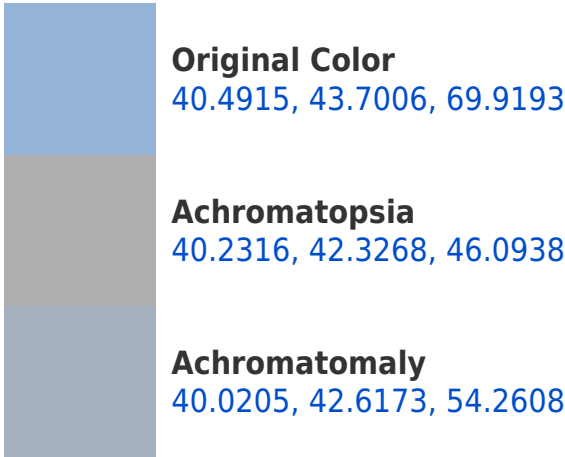
Tritanopia

38.3392, 43.7378, 59.2449

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4915, 43.7006, 69.9193 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(147, 180, 214) looks like.

```
.text, #text, p{  
    color:rgb(147, 180, 214)  
}
```

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(147, 180, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 180, 214) }
```

Border

The CSS property to change the border of an element to XYZ 40.4915, 43.7006, 69.9193 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(147, 180, 214) }
```


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

```
.border{ border-color:rgb(147, 180, 214) }
```

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

Here you see how a box with a 4 pixel rgb(147, 180, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 180, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 180, 214);  
box-shadow:4px 4px 4px 4px rgb(147, 180,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4915, 43.7006, 69.9193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 180, 214) }
```

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

```
.background{ background-color: rgb(147,  
180, 214) }
```

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