

Converting Colors

XYZ(39.4301, 39.9315, 68.0959)

Have a look what the booklet for
XYZ(39.4301, 39.9315, 68.0959)
contains.

XYZ(39.3981, 39.9994, 67.9315)	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(39.3981, 39.9994,
67.9315)**

Conversions

Conversions Part 1

Format	Color
Hex	9AA9D4
RGB	154, 169, 212
RGB Percent	60%, 66%, 83%
CMY	0.3961, 0.3372, 0.1686
CMYK	0.27, 0.20, 0.00, 0.17
HSL	224°, 40%, 72%
HSV	224°, 27%, 83%
XYZ	39.3981, 39.9994, 67.9315
YIQ	169.4170, -22.7430, 10.1930

Conversions

Conversions Part 2

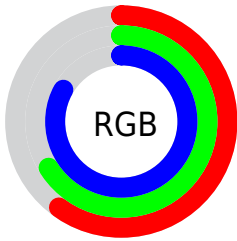
Format	Color
RYB	154, 166, 212
Decimal	10136020
CIELab	69.47, 4.40, -23.54
CIELCh	69, 23.945, 280.599
Yxy	39.9994, 0.2674, 0.2715
Android (android.graphics.Color)	4288326100 (0xFF9AA9D4)
YUV	169.4170, 20.9934, -13.5207
Hunter-Lab	63.2451, 0.5165, -19.4118

Details

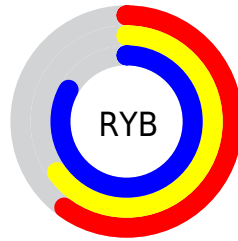
The XYZ color **39.3981, 39.9994, 67.9315** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.9511, 56.2633, 38.6423**, and the grayscale version is **37.8269, 39.7968, 43.3388**.

A 20% lighter version of the original color is **71.0001, 74.0866, 105.1658**, and **17.8139, 17.9236, 34.4190** is the 20% darker color. If you saturate the color by 10%, you get **32.9637, 32.6003, 66.8431**, and if you desaturate by 10%, it is **46.8991, 48.4720, 69.1722**.

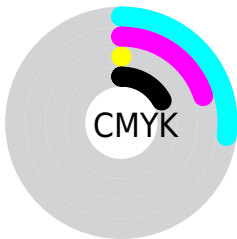
Distribution



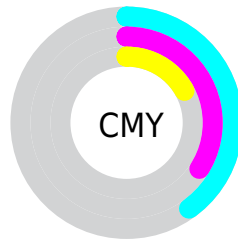
- Red (60%)
- Green (66%)
- Blue (83%)



- Red (60%)
- Yellow (65%)
- Blue (83%)



- Cyan (27%)
- Magenta (20%)
- Yellow (0%)
- Black (17%)



- Cyan (40%)
- Magenta (34%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3981, 39.9994, 67.9315 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 39.3981, 39.9994, 67.9315 by changing the saturation by 10% instead.

■ 39.3981, 39.9994,
67.9315

■ 39.3981, 39.9994,
67.9315

334.7582,
346.1210, 471.8447

■ 27.2517, 27.5381,
49.3757

■ 73.5363, 75.1626,
117.9074

■ 17.8999, 17.9777,
34.5499

■ 96.2587, 98.6333,
150.1646

■ 10.9774, 10.9340,
23.0356

123.2373,
126.5425, 187.8260

■ 6.1188, 6.0225,
14.4142

154.8372,
159.2747, 231.3101

■ 2.9588, 2.8588,
8.2673

191.4239,
197.2143, 281.0355

■ 1.1320, 1.0584,
4.1762

233.3627,

■ 0.0517, 0.0000,

240.7456, 337.4207

1.7225

281.0190,
290.2530, 400.8843

■ 0.0000, 0.0000,
0.3761

■ 0.0000, 0.0000,
0.0000

■ 39.3981, 39.9994,
67.9315

■ 39.3981, 39.9994,
67.9315

■ 32.9637, 32.6003,
66.8431

■ 46.8991, 48.4720,
69.1722

■ 27.5422, 26.2258,
65.8985

■ 55.5095, 58.0549,
70.5681

■ 23.0809, 20.8302,
65.0922

■ 65.2742, 68.7888,
72.1253

■ 19.5204, 16.3621,
64.4174

■ 76.2346, 80.7110,
73.8488

■ 16.7944, 12.7650,
63.8668

■ 86.5648, 92.8956,
75.6562

■ 14.8264, 9.9755,
63.4321

■ 88.8838, 97.5335,
76.4292

■ 13.5171, 7.9159,
63.1035

■ 13.2419, 7.4698,
63.0319

Harmonies

Analogous

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



35.6085, 39.9994, 66.8035



39.3981, 39.9994, 67.9315



43.0493, 39.9994, 61.7433

Triad

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



39.3981, 39.9994, 67.9315



43.9293, 39.9994, 31.1460



31.4459, 39.9994, 36.8740

Complementary

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



39.3981, 39.9994, 67.9315



52.9511, 56.2633, 38.6423

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.



33.3952, 39.9994, 29.3395



39.3981, 39.9994, 67.9315



40.5343, 39.9994, 26.4398

Square

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



39.3981, 39.9994, 67.9315



45.7803, 39.9994, 39.7631



36.6710, 39.9994, 25.8397



31.1872, 39.9994, 47.5754

Rectangle

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



39.3981, 39.9994, 67.9315



44.8492, 39.9994, 54.8286



36.6710, 39.9994, 25.8397



31.9187, 39.9994, 33.9393

Sweetspot

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



39.3994, 40.0010, 67.9324



83.3026, 87.0614, 107.0218



46.8956, 57.9677, 61.2616



17.3849, 18.1414, 22.8353



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.



39.3994, 40.0010, 67.9324



53.7966, 53.8305, 102.1627



39.4897, 36.1397, 67.1824



12.0011, 12.5257, 15.7227



8.2441, 4.7499, 38.9355



0.5646, 0.4212, 2.3709

Inverse Universe

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



45.8695, 39.9741, 42.8359



65.3572, 54.1622, 57.2362



52.7890, 61.4902, 39.6597



12.5538, 12.4730, 13.5904



17.2201, 8.8244, 3.1970



1.0726, 0.5458, 0.3719

Previews

White Background



This preview shows how the XYZ color 39.3981, 39.9994, 67.9315 looks on a white background.

Color Contrast Check

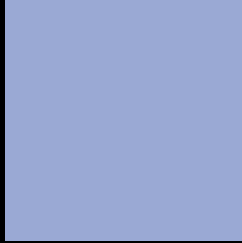
Large Text (above 18pt) WCAG AA × Fail

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 39.3981, 39.9994, 67.9315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

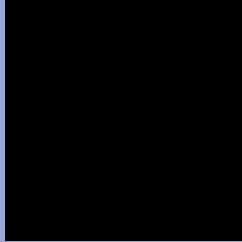
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3981, 39.9994, 67.9315

Background



This preview shows how black text looks on a background with the XYZ color 39.3981, 39.9994, 67.9315.



This preview shows how white text looks on a background with the XYZ color 39.3981, 39.9994,

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

39.3981, 39.9994, 67.9315

Protanopia

40.0586, 40.0793, 67.2528

Deuteranopia

40.9563, 39.9690, 68.5070



Tritanopia

36.3076, 39.8646, 52.7947

Trichromacy



Original Color

39.3981, 39.9994, 67.9315

Protanomaly

39.6651, 39.8765, 67.2344

Deuteranomaly

40.3262, 39.9151, 68.5298

Tritanomaly

37.4788, 40.0699, 57.9835

Monochromacy



Original Color

39.3981, 39.9994, 67.9315

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.2548, 39.7712, 51.5593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3981, 39.9994, 67.9315 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(154, 169, 212)` looks like.

```
.text, #text, p{  
    color:rgb(154, 169, 212)  
}
```

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(154, 169, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 169, 212) }
```

Border

The CSS property to change the border of an element to XYZ 39.3981, 39.9994, 67.9315 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(154, 169, 212) }
```


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

```
.border{ border-color:rgb(154, 169, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 169, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 169, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 169, 212);  
box-shadow:4px 4px 4px 4px rgb(154, 169,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3981, 39.9994, 67.9315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 169, 212) }
```

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

```
.background{ background-color: rgb(154,  
169, 212) }
```

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