

Converting Colors

XYZ(39.8161, 39.6918, 61.4494)

Have a look what the booklet for
XYZ(39.8161, 39.6918, 61.4494)
contains.

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Color

**XYZ(39.9964, 39.9010,
61.4707)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A7CA
RGB	165, 167, 202
RGB Percent	65%, 65%, 79%
CMY	0.3529, 0.3451, 0.2078
CMYK	0.18, 0.17, 0.00, 0.21
HSL	237°, 26%, 72%
HSV	237°, 18%, 79%
XYZ	39.9964, 39.9010, 61.4707
YIQ	170.3920, -12.4270, 10.4610

Conversions

Conversions Part 2

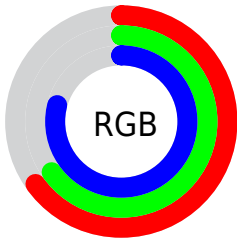
Format	Color
R _Y B	165, 167, 202
Decimal	10856394
CIE Lab	69.40, 6.58, -18.06
CIE LCh	69, 19.221, 290.033
Yxy	39.9010, 0.2829, 0.2822
Android (android.graphics.Color)	4289046474 (0xFFA5A7CA)
YUV	170.3920, 15.5827, -4.7288
Hunter-Lab	63.1672, 2.4804, -13.4805

Details

The XYZ color **39.9964, 39.9010, 61.4707** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.8032, 56.5816, 43.7893**, and the grayscale version is **38.3341, 40.3305, 43.9199**.

A 20% lighter version of the original color is **73.6865, 74.6782, 105.1384**, and **18.2861, 17.9103, 30.5102** is the 20% darker color. If you saturate the color by 10%, you get **32.8766, 31.4134, 60.2083**, and if you desaturate by 10%, it is **48.2995, 49.7683, 62.9383**.

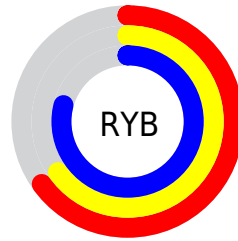
Distribution



Red (65%)

Green (65%)

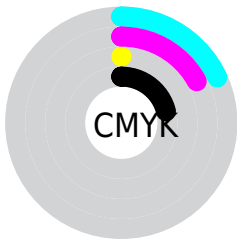
Blue (79%)



Red (65%)

Yellow (65%)

Blue (79%)

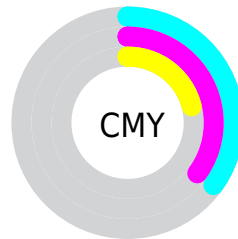


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (21%)



Cyan (35%)

Magenta (35%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9964, 39.9010, 61.4707 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 39.9964, 39.9010, 61.4707 by changing the saturation by 10% instead.

■ 39.9964, 39.9010,
61.4707

■ 39.9964, 39.9010,
61.4707

337.2431,
345.7061, 447.9520

■ 27.7199, 27.4614,
44.1721

■ 74.4424, 75.0127,
108.5243

■ 18.2540, 17.9200,
30.4677

■ 97.3427, 98.4536,
139.1165

■ 11.2333, 10.8926,
19.9388

124.5149,
126.3304, 174.9769

■ 6.2924, 5.9946,
12.1669

156.3244,
159.0274, 216.5241

■ 3.0660, 2.8418,
6.7335

193.1367,
196.9291, 264.1767

■ 1.1888, 1.0497,
3.2201

235.3170,

■ 0.0975, 0.0000,

240.4199, 318.3532

1.2081

283.2306,
289.8841, 379.4721

■ 0.0000, 0.0000,
0.0000

■ 39.9964, 39.9010,
61.4707

■ 39.9964, 39.9010,
61.4707

■ 32.8766, 31.4134,
60.2083

■ 48.2995, 49.7683,
62.9383

■ 26.8827, 24.2394,
59.1395

■ 57.8323, 61.0678,
64.6169

■ 21.9581, 18.3148,
58.2555

■ 68.6435, 73.8553,
66.5153

■ 18.0398, 13.5681,
57.5458

■ 80.7778, 88.1819,
68.6411

■ 15.0583, 9.9205,
56.9989

■ 87.6608, 97.0443,
69.9889

■ 12.9351, 7.2836,
56.6019

■ 11.5790, 5.5555,
56.3398

■ 10.8624, 4.6043,
56.1939

■ 10.7796, 4.5020,
56.1785

Harmonies

Analogous

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



36.9057, 39.9010, 62.4496



39.9964, 39.9010, 61.4707



42.6625, 39.9010, 55.3165

Triad

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



39.9964, 39.9010, 61.4707



41.8702, 39.9010, 31.6667



32.3693, 39.9010, 40.5665

Complementary

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



39.9964, 39.9010, 61.4707



51.8032, 56.5816, 43.7893

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.



33.5514, 39.9010, 33.4072



39.9964, 39.9010, 61.4707



38.9623, 39.9010, 28.7502

Square

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



39.9964, 39.9010, 61.4707



43.7844, 39.9010, 37.8738



35.9258, 39.9010, 29.3409



32.6126, 39.9010, 49.5382

Rectangle

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



39.9964, 39.9010, 61.4707



43.7870, 39.9010, 49.5183



35.9258, 39.9010, 29.3409



32.6105, 39.9010, 37.8905

Sweetspot

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



39.9976, 39.9026, 61.4716



86.7864, 90.2067, 107.4452



47.0092, 54.3895, 62.3793



18.3366, 19.0242, 22.9555



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.



39.9976, 39.9026, 61.4716



62.6819, 61.5590, 103.1861



43.1805, 41.0033, 61.5163



10.6496, 10.9397, 14.1207



6.9573, 2.9387, 36.1568



0.3764, 0.1865, 1.8711

Inverse Universe

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



44.7883, 42.2578, 42.3570



72.2934, 66.3220, 64.8279



48.1544, 55.3933, 43.7522



11.2365, 11.2233, 11.7801



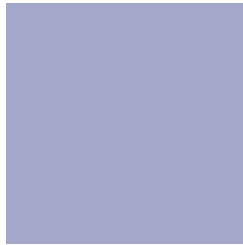
15.7227, 8.0996, 0.9922



0.8199, 0.4214, 0.0975

Previews

White Background



This preview shows how the XYZ color 39.9964, 39.9010, 61.4707 looks on a white background.

Color Contrast Check

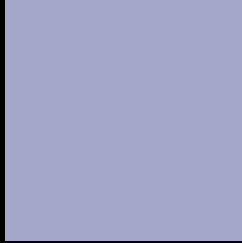
Large Text (above 18pt) WCAG AA × Fail

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 39.9964, 39.9010, 61.4707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

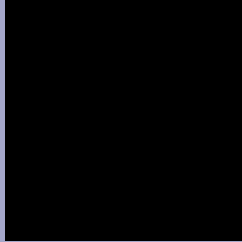
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9964, 39.9010, 61.4707

Background



This preview shows how black text looks on a background with the XYZ color 39.9964, 39.9010, 61.4707.



This preview shows how white text looks on a background with the XYZ color 39.9964, 39.9010,

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

39.9964, 39.9010, 61.4707

Protanopia

39.6824, 39.9984, 62.1289

Deuteranopia

40.8745, 40.0828, 61.4595



Tritanopia

37.9267, 39.8915, 51.0483

Trichromacy



Original Color

39.9964, 39.9010, 61.4707

Protanomaly

39.8864, 40.1036, 62.1384

Deuteranomaly

40.4453, 39.8615, 61.4395

Tritanomaly

38.6962, 39.9241, 54.9568

Monochromacy



Original Color

39.9964, 39.9010, 61.4707

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.7799, 40.0782, 49.9479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9964, 39.9010, 61.4707 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(165, 167, 202)` looks like.

```
.text, #text, p{  
    color:rgb(165, 167, 202)  
}
```

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(165, 167, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 167, 202) }
```

Border

The CSS property to change the border of an element to XYZ 39.9964, 39.9010, 61.4707 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(165, 167, 202) }
```


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

```
.border{ border-color:rgb(165, 167, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 167, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 167, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 167, 202);  
box-shadow:4px 4px 4px 4px rgb(165, 167,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9964, 39.9010, 61.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 167, 202) }
```

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

```
.background{ background-color: rgb(165,  
167, 202) }
```

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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