

Converting Colors

XYZ(41.1713, 40.0848, 76.9467)

Have a look what the booklet for
XYZ(41.1713, 40.0848, 76.9467)
contains.

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Color

**XYZ(41.1196, 40.1416,
76.8150)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA7E1
RGB	156, 167, 225
RGB Percent	61%, 65%, 88%
CMY	0.3882, 0.3451, 0.1176
CMYK	0.31, 0.26, 0.00, 0.12
HSL	230°, 53%, 75%
HSV	230°, 31%, 88%
XYZ	41.1196, 40.1416, 76.8150
YIQ	170.3230, -25.1740, 15.7060

Conversions

Conversions Part 2

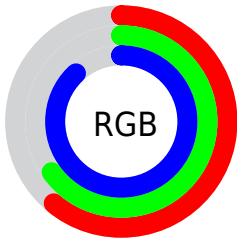
Format	Color
R _{YB}	156, 165, 225
Decimal	10266593
CIE Lab	69.57, 9.32, -30.51
CIE LCh	70, 31.900, 286.989
Yxy	40.1416, 0.2601, 0.2539
Android (android.graphics.Color)	4288456673 (0xFF9CA7E1)
YUV	170.3230, 26.9558, -12.5613
Hunter-Lab	63.3574, 4.9729, -27.5335

Details

The XYZ color **41.1196, 40.1416, 76.8150** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.0993, 66.5015, 41.0696**, and the grayscale version is **38.2493, 40.2413, 43.8228**.

A 20% lighter version of the original color is **71.3227, 73.4596, 105.0278**, and **18.8857, 18.0096, 40.0169** is the 20% darker color. If you saturate the color by 10%, you get **33.9473, 31.6721, 75.5589**, and if you desaturate by 10%, it is **49.6077, 50.0434, 78.2796**.

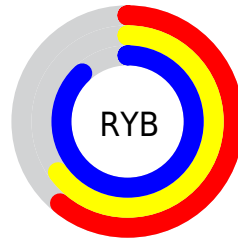
Distribution



Red (61%)

Green (65%)

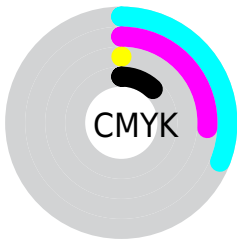
Blue (88%)



Red (61%)

Yellow (65%)

Blue (88%)

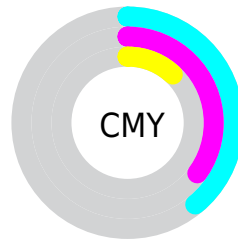


Cyan (31%)

Magenta (26%)

Yellow (0%)

Black (12%)



Cyan (39%)

Magenta (35%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1196, 40.1416, 76.8150 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 41.1196, 40.1416, 76.8150 by changing the saturation by 10% instead.

■ 41.1196, 40.1416,
76.8150

■ 41.1196, 40.1416,
76.8150

341.8743,
346.7200, 503.5539

■ 28.6006, 27.6490,
56.5904

■ 76.1390, 75.3791,
130.6489

■ 18.9217, 18.0612,
40.2693

■ 99.3701, 98.8927,
165.0953

■ 11.7174, 10.9939,
27.4332

126.9026,
126.8488, 205.1194

■ 6.6224, 6.0628,
17.6635

159.1020,
159.6318, 251.1397

■ 3.2713, 2.8833,
10.5418

196.3335,
197.6260, 303.5748

■ 1.2988, 1.0711,
5.6493

238.9624,

■ 0.1823, 0.0000,

241.2158, 362.8431

2.5677

287.3543,
290.7857, 429.3634

■ 0.0000, 0.0000,
0.8757

■ 0.0000, 0.0000,
0.0000

■ 41.1196, 40.1416,
76.8150

■ 41.1196, 40.1416,
76.8150

■ 33.9473, 31.6721,
75.5589

■ 49.6077, 50.0434,
78.2796

■ 28.0203, 24.5633,
74.4992

■ 59.4694, 61.4352,
79.9586

■ 23.2675, 18.7447,
73.6266

■ 70.7638, 74.3771,
81.8614

■ 19.6089, 14.1371,
72.9301

■ 83.5454, 88.9246,
83.9957

■ 16.9540, 10.6525,
72.3974

■ 90.5907, 98.2163,
85.4178

■ 15.1973, 8.1902,
72.0147

■ 14.2177, 6.6903,
71.7768

Harmonies

Analogous

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



35.9677, 40.1416, 77.5591



41.1196, 40.1416, 76.8150



45.8596, 40.1416, 66.0398

Triad

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



41.1196, 40.1416, 76.8150



45.3125, 40.1416, 26.0812



29.2980, 40.1416, 37.6300

Complementary

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



41.1196, 40.1416, 76.8150



61.0993, 66.5015, 41.0696

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.



31.3628, 40.1416, 27.0799



41.1196, 40.1416, 76.8150



40.4258, 40.1416, 21.4946

Square

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



41.1196, 40.1416, 76.8150



48.4256, 40.1416, 35.9358



35.3334, 40.1416, 21.8135



29.4474, 40.1416, 52.5257

Rectangle

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



41.1196, 40.1416, 76.8150



48.0098, 40.1416, 55.7534



35.3334, 40.1416, 21.8135



29.7477, 40.1416, 33.5349

Sweetspot

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



41.1209, 40.1432, 76.8159



81.2567, 84.2076, 106.5787



52.7103, 65.7487, 73.1975



16.9469, 17.5119, 22.7369



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.



41.1209, 40.1432, 76.8159



48.1426, 45.6909, 100.8896



44.0706, 38.7982, 76.4009



13.1277, 13.5944, 17.3198



8.2480, 3.9656, 41.3791



0.6267, 0.3848, 2.8865

Inverse Universe

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



49.9160, 42.5758, 42.1479



61.7298, 49.7500, 47.2640



57.2840, 68.8081, 41.7159



13.7959, 13.7360, 14.6954



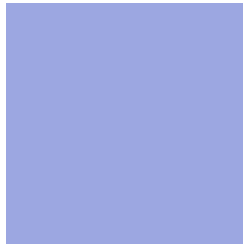
18.1034, 9.3084, 1.9444



1.2826, 0.6563, 0.2809

Previews

White Background



This preview shows how the XYZ color 41.1196, 40.1416, 76.8150 looks on a white background.

Color Contrast Check

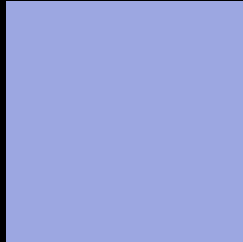
Large Text (above 18pt) WCAG AA × Fail

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 41.1196, 40.1416, 76.8150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

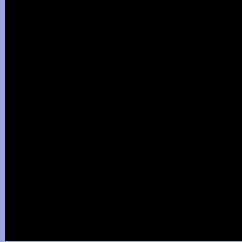
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1196, 40.1416, 76.8150

Background



This preview shows how black text looks on a background with the XYZ color 41.1196, 40.1416, 76.8150.



This preview shows how white text looks on a background with the XYZ color 41.1196, 40.1416,

76.8150.

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

41.1196, 40.1416, 76.8150

Protanopia

40.9197, 40.3115, 76.8584

Deuteranopia

41.1196, 40.1416, 76.8150



Tritanopia

36.4259, 40.1988, 53.4163

Trichromacy



Original Color

41.1196, 40.1416, 76.8150

Protanomaly

41.1108, 40.4101, 76.8673

Deuteranomaly

41.1196, 40.1416, 76.8150

Tritanomaly

37.8680, 39.9222, 60.9682

Monochromacy



Original Color

41.1196, 40.1416, 76.8150

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.9993, 40.0930, 54.3984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1196, 40.1416, 76.8150 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(156, 167, 225)` looks like.

```
.text, #text, p{  
    color:rgb(156, 167, 225)  
}
```

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(156, 167, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 167, 225) }
```

Border

The CSS property to change the border of an element to XYZ 41.1196, 40.1416, 76.8150 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(156, 167, 225) }
```


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

```
.border{ border-color:rgb(156, 167, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 167, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 167, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 167, 225);  
box-shadow:4px 4px 4px 4px rgb(156, 167,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1196, 40.1416, 76.8150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 167, 225) }
```

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

```
.background{ background-color: rgb(156,  
167, 225) }
```

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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