

Converting Colors

XYZ(40.1403, 40.7027, 64.1597)

Have a look what the booklet for
XYZ(40.1403, 40.7027, 64.1597)
contains.

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Color

**XYZ(40.2132, 40.7827,
64.1449)**

Conversions

Conversions Part 1

Format	Color
Hex	A1AACE
RGB	161, 170, 206
RGB Percent	63%, 67%, 81%
CMY	0.3686, 0.3333, 0.1922
CMYK	0.22, 0.17, 0.00, 0.19
HSL	228°, 31%, 72%
HSV	228°, 22%, 81%
XYZ	40.2132, 40.7827, 64.1449
YIQ	171.4130, -16.9200, 9.2880

Conversions

Conversions Part 2

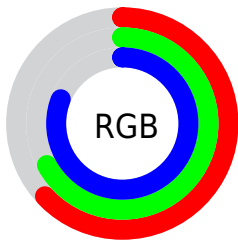
Format	Color
R_{YB}	161, 169, 206
Decimal	10595022
CIE _{Lab}	70.02, 4.57, -19.34
CIE _{LCh}	70, 19.876, 283.288
Yxy	40.7827, 0.2771, 0.2810
Android (android.graphics.Color)	4288785102 (0xFFA1AACE)
YUV	171.4130, 17.0514, -9.1322
Hunter-Lab	63.8613, 0.6433, -14.8503

Details

The XYZ color **40.2132, 40.7827, 64.1449** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.8533, 55.6276, 41.7235**, and the grayscale version is **38.8403, 40.8630, 44.4998**.

A 20% lighter version of the original color is **73.2941, 75.6694, 105.3504**, and **18.4526, 18.4751, 32.2993** is the 20% darker color. If you saturate the color by 10%, you get **33.5010, 33.0212, 63.0012**, and if you desaturate by 10%, it is **47.9991, 49.6746, 65.4515**.

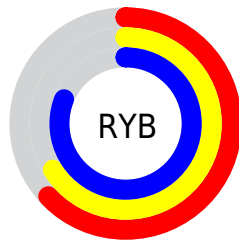
Distribution



Red (63%)

Green (67%)

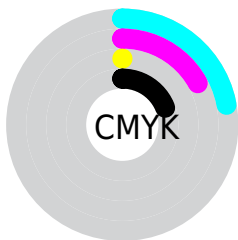
Blue (81%)



Red (63%)

Yellow (66%)

Blue (81%)

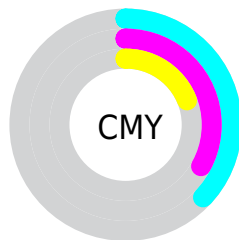


Cyan (22%)

Magenta (17%)

Yellow (0%)

Black (19%)



Cyan (37%)

Magenta (33%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2132, 40.7827, 64.1449 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 40.2132, 40.7827, 64.1449 by changing the saturation by 10% instead.

■ 40.2132, 40.7827,
64.1449

■ 40.2132, 40.7827,
64.1449

338.1404,
349.4116, 457.9345

■ 27.8898, 28.1493,
46.3211

■ 74.7703, 76.3539,
112.4211

■ 18.3826, 18.4383,
32.1488

■ 97.7347, 100.0606,
143.7105

■ 11.3264, 11.2651,
21.2094

124.9769,
128.2271, 180.3256

■ 6.3557, 6.2454,
13.0844

156.8620,
161.2378, 222.6849

■ 3.1053, 2.9949,
7.3553

193.7556,
199.4773, 271.2069

■ 1.2097, 1.1291,
3.6035

236.0230,

■ 0.1140, 0.0026,

243.3298, 326.3101

1.4104

284.0294,
293.1798, 388.4131

■ 0.0000, 0.0000,
0.1498

■ 0.0000, 0.0000,
0.0000

■ 40.2132, 40.7827,
64.1449

■ 40.2132, 40.7827,
64.1449

■ 33.5010, 33.0212,
63.0012

■ 47.9991, 49.6746,
65.4515

■ 27.8110, 26.3393,
62.0114

■ 56.8997, 59.7351,
66.9243

■ 23.0931, 20.6897,
61.1696

■ 66.9582, 71.0067,
68.5698

■ 19.2911, 16.0195,
60.4685

■ 78.2147, 83.5281,
70.3934

■ 16.3433, 12.2709,
59.9003

■ 87.3170, 95.5888,
72.2416

■ 14.1795, 9.3798,
59.4563

■ 88.1407, 97.2363,
72.5162

■ 12.7179, 7.2727,
59.1267

■ 11.9408, 6.0565,
58.9329

Harmonies

Analogous

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



36.9976, 40.7827, 63.7927



40.2132, 40.7827, 64.1449



43.1959, 40.7827, 58.7098

Triad

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



40.2132, 40.7827, 64.1449



43.4797, 40.7827, 33.2548



33.0936, 40.7827, 39.4669

Complementary

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



40.2132, 40.7827, 64.1449



51.8533, 55.6276, 41.7235

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.



34.6437, 40.7827, 32.6365



40.2132, 40.7827, 64.1449



40.5831, 40.7827, 29.4075

Square

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



40.2132, 40.7827, 64.1449



45.1515, 40.7827, 40.4272



37.3476, 40.7827, 29.1982



33.0069, 40.7827, 48.6364

Rectangle

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



40.2132, 40.7827, 64.1449



44.6020, 40.7827, 52.9236



37.3476, 40.7827, 29.1982



33.4567, 40.7827, 36.8541

Sweetspot

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



40.2145, 40.7844, 64.1458



84.3978, 87.9957, 107.1444



46.7624, 55.7174, 60.6645



17.8773, 18.6229, 22.9023



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.



40.2145, 40.7844, 64.1458



60.0736, 60.2239, 103.0659



41.2863, 38.9170, 63.7289



10.7805, 11.2014, 14.1643



7.4082, 3.8404, 36.3071



0.4369, 0.3077, 1.8913

Inverse Universe

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



45.4552, 41.5149, 43.6494



70.0293, 61.7887, 64.0892



50.5612, 58.0869, 42.2663



11.3026, 11.2498, 12.1279



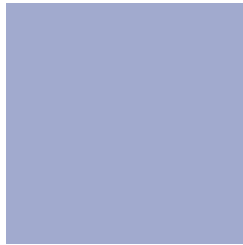
15.9502, 8.1907, 2.1906



0.8505, 0.4336, 0.2586

Previews

White Background



This preview shows how the XYZ color 40.2132, 40.7827, 64.1449 looks on a white background.

Color Contrast Check

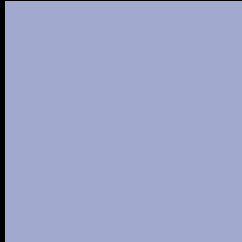
Large Text (above 18pt) WCAG AA × Fail

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 40.2132, 40.7827, 64.1449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

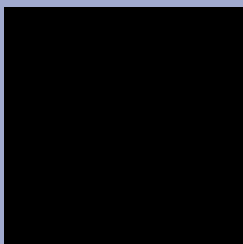
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2132, 40.7827, 64.1449

Background



This preview shows how black text looks on a background with the XYZ color 40.2132, 40.7827, 64.1449.



This preview shows how white text looks on a background with the XYZ color 40.2132, 40.7827,

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

40.2132, 40.7827, 64.1449

Protanopia

40.4328, 40.6187, 64.1017

Deuteranopia

41.6588, 40.6885, 64.6895



Tritanopia

37.8178, 40.6431, 52.8654

Trichromacy



Original Color

40.2132, 40.7827, 64.1449

Protanomaly

40.2288, 40.5135, 64.0921

Deuteranomaly

41.2015, 40.7257, 64.7208

Tritanomaly

38.5907, 40.6692, 56.8549

Monochromacy



Original Color

40.2132, 40.7827, 64.1449

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.1510, 40.8020, 51.1595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2132, 40.7827, 64.1449 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(161, 170, 206)` looks like.

```
.text, #text, p{  
    color:rgb(161, 170, 206)  
}
```

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(161, 170, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 170, 206) }
```

Border

The CSS property to change the border of an element to XYZ 40.2132, 40.7827, 64.1449 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(161, 170, 206) }
```


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

```
.border{ border-color:rgb(161, 170, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 170, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 170, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 170, 206);  
box-shadow:4px 4px 4px 4px rgb(161, 170,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2132, 40.7827, 64.1449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 170, 206) }
```

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

```
.background{ background-color: rgb(161,  
170, 206) }
```

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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