

Converting Colors

XYZ(42.2656, 40.3472, 60.6495)

Have a look what the booklet for
XYZ(42.2656, 40.3472, 60.6495)
contains.

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Color

**XYZ(42.1782, 40.2329,
60.8010)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A4C9
RGB	178, 164, 201
RGB Percent	70%, 64%, 79%
CMY	0.3020, 0.3568, 0.2118
CMYK	0.11, 0.18, 0.00, 0.21
HSL	263°, 26%, 72%
HSV	263°, 18%, 79%
XYZ	42.1782, 40.2329, 60.8010
YIQ	172.4040, -3.5330, 14.4750

Conversions

Conversions Part 2

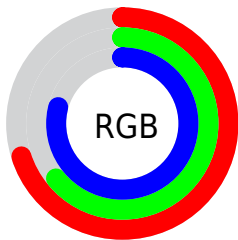
Format	Color
RYB	178, 164, 201
Decimal	11707593
CIELab	69.64, 12.26, -17.05
CIELCh	70, 20.998, 305.719
Yxy	40.2329, 0.2945, 0.2809
Android (android.graphics.Color)	4289897673 (0xFFB2A4C9)
YUV	172.4040, 14.0978, 4.9077
Hunter-Lab	63.4294, 7.6944, -12.4325

Details

The XYZ color **42.1782, 40.2329, 60.8010** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.0822, 55.0193, 43.2093**, and the grayscale version is **39.3504, 41.3997, 45.0843**.

A 20% lighter version of the original color is **77.3132, 75.3755, 105.0818**, and **19.5181, 18.0549, 30.0600** is the 20% darker color. If you saturate the color by 10%, you get **36.1242, 32.1883, 59.5679**, and if you desaturate by 10%, it is **49.0644, 49.5525, 62.2376**.

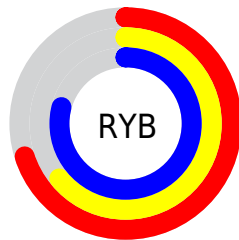
Distribution



Red (70%)

Green (64%)

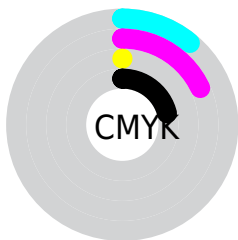
Blue (79%)



Red (70%)

Yellow (64%)

Blue (79%)

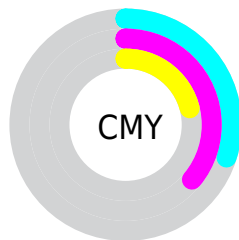


Cyan (11%)

Magenta (18%)

Yellow (0%)

Black (21%)



Cyan (30%)

Magenta (36%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1782, 40.2329, 60.8010 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 42.1782, 40.2329, 60.8010 by changing the saturation by 10% instead.

■ 42.1782, 40.2329,
60.8010

■ 42.1782, 40.2329,
60.8010

346.2002,
347.1042, 445.4303

■ 29.4326, 27.7202,
43.6351

■ 77.7327, 75.5180,
107.5455

■ 19.5542, 18.1148,
30.0486

■ 101.2723, 99.0592,
137.9611

■ 12.1778, 11.0325,
19.6231

129.1406,
127.0454, 173.6304

■ 6.9379, 6.0887,
11.9401

161.7030,
159.8609, 214.9718

■ 3.4693, 2.8991,
6.5808

199.3248,
197.8901, 262.4040

■ 1.4065, 1.0793,
3.1269

242.3713,

■ 0.2609, 0.0000,

241.5175, 316.3454

1.1598

291.2080,
291.1274, 377.2147

■ 0.0000, 0.0000,
0.0000

■ 42.1782, 40.2329,
60.8010

■ 42.1782, 40.2329,
60.8010

■ 36.1242, 32.1883,
59.5679

■ 49.0644, 49.5525,
62.2376

■ 30.8649, 25.3567,
58.5265

■ 56.8106, 60.1952,
63.8835

■ 26.3658, 19.6786,
57.6677

■ 65.4478, 72.2129,
65.7480

■ 22.5878, 15.0873,
56.9806

■ 75.0044, 85.6530,
67.8385

■ 19.4880, 11.5088,
56.4532

■ 82.4001, 94.3460,
69.1266

■ 17.0185, 8.8598,
56.0721

■ 86.8006, 96.6145,
69.3325

■ 15.1241, 7.0427,
55.8212

■ 87.5427, 96.9971,
69.3673

■ 13.7228, 5.9081,
55.6760

■ 13.5273, 5.7557,
55.6569

Harmonies

Analogous

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



38.8942, 40.2329, 65.1602



42.1782, 40.2329, 60.8010



44.5029, 40.2329, 51.9507

Triad

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



42.1782, 40.2329, 60.8010



40.9871, 40.2329, 28.8828



32.1071, 40.2329, 45.6959

Complementary

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



42.1782, 40.2329, 60.8010



48.0822, 55.0193, 43.2093

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.



32.5944, 40.2329, 36.5618



42.1782, 40.2329, 60.8010



37.5935, 40.2329, 27.7169

Square

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



42.1782, 40.2329, 60.8010



43.7872, 40.2329, 33.7759



34.5552, 40.2329, 30.3169



33.1826, 40.2329, 55.6497

Rectangle

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



42.1782, 40.2329, 60.8010



45.1243, 40.2329, 45.2168



34.5552, 40.2329, 30.3169



32.0944, 40.2329, 42.4264

Sweetspot

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



42.1794, 40.2346, 60.8019



86.9488, 88.8642, 107.1776



43.7162, 47.8357, 62.1881



18.4290, 18.7722, 22.9020



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.



42.1794, 40.2346, 60.8019



68.0038, 63.2562, 103.2332



46.6015, 42.5142, 61.0088



10.4296, 10.4797, 13.3906



8.5997, 3.6675, 34.9990



0.4874, 0.2150, 1.6610

Inverse Universe

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



46.3337, 42.5579, 52.7876



76.4592, 67.9884, 86.7649



43.9367, 52.8822, 43.0153



10.9064, 10.7459, 12.4903



17.5164, 8.7561, 13.1951



0.8638, 0.4284, 0.8060

Previews

White Background



This preview shows how the XYZ color 42.1782, 40.2329, 60.8010 looks on a white background.

Color Contrast Check

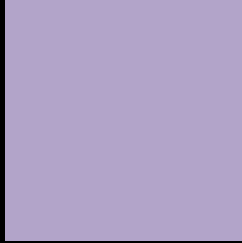
Large Text (above 18pt) WCAG AA × Fail

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 42.1782, 40.2329, 60.8010 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 42.1782, 40.2329, 60.8010

Background



This preview shows how black text looks on a background with the XYZ color 42.1782, 40.2329, 60.8010.



This preview shows how white text looks on a background with the XYZ color 42.1782, 40.2329,

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

42.1782, 40.2329, 60.8010

Protanopia

40.1913, 40.5221, 62.8300

Deuteranopia

41.1921, 40.2601, 60.8583



Tritanopia

40.0223, 40.4554, 49.4153

Trichromacy



Original Color

42.1782, 40.2329, 60.8010

Protanomaly

40.7467, 40.2741, 62.1260

Deuteranomaly

41.4533, 40.1260, 60.8186

Tritanomaly

40.8003, 40.4984, 53.2435

Monochromacy



Original Color

42.1782, 40.2329, 60.8010

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.1908, 40.7935, 50.5554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1782, 40.2329, 60.8010 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(178, 164, 201)` looks like.

```
.text, #text, p{  
    color:rgb(178, 164, 201)  
}
```

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(178, 164, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 164, 201) }
```

Border

The CSS property to change the border of an element to XYZ 42.1782, 40.2329, 60.8010 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(178, 164, 201) }
```


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

```
.border{ border-color:rgb(178, 164, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 164, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 164, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 164, 201);  
box-shadow:4px 4px 4px 4px rgb(178, 164,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1782, 40.2329, 60.8010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 164, 201) }
```

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

```
.background{ background-color: rgb(178,  
164, 201) }
```

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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