

Converting Colors

XYZ(47.1552, 40.8183, 59.9768)

Have a look what the booklet for
XYZ(47.1552, 40.8183, 59.9768)
contains.

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Color

**XYZ(47.2156, 40.7844,
60.0272)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9CC8
RGB	204, 156, 200
RGB Percent	80%, 61%, 78%
CMY	0.2000, 0.3882, 0.2157
CMYK	0.00, 0.24, 0.02, 0.20
HSL	305°, 32%, 71%
HSV	305°, 24%, 80%
XYZ	47.2156, 40.7844, 60.0272
YIQ	175.3680, 14.4840, 23.8600

Conversions

Conversions Part 2

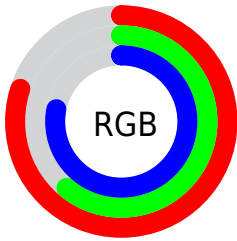
Format	Color
R_{YB}	204, 156, 200
Decimal	13409480
CIE Lab	70.02, 25.20, -15.67
CIE LCh	70, 29.674, 328.113
Yxy	40.7844, 0.3190, 0.2755
Android (android.graphics.Color)	4291599560 (0xFFCC9CC8)
YUV	175.3680, 12.1436, 25.1103
Hunter-Lab	63.8627, 20.2108, -11.0253

Details

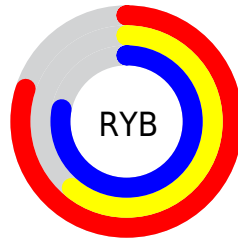
The XYZ color **47.2156, 40.7844, 60.0272** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.6499, 52.7929, 41.2548**, and the grayscale version is **40.8730, 43.0015, 46.8287**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **22.5330, 18.3655, 29.5514** is the 20% darker color. If you saturate the color by 10%, you get **43.8785, 34.4258, 57.9403**, and if you desaturate by 10%, it is **51.1323, 48.2973, 62.3191**.

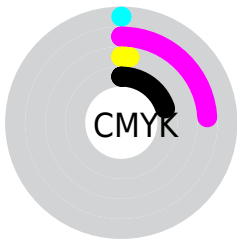
Distribution



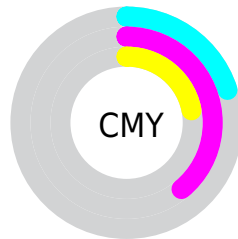
- Red (80%)
- Green (61%)
- Blue (78%)



- Red (80%)
- Yellow (61%)
- Blue (78%)



- Cyan (0%)
- Magenta (24%)
- Yellow (2%)
- Black (20%)





- Cyan (20%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2156, 40.7844, 60.0272 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 47.2156, 40.7844, 60.0272 by changing the saturation by 10% instead.


 47.2156, 40.7844,
60.0272


 47.2156, 40.7844,
60.0272

366.3090,
349.4187, 442.5054

 33.4148, 28.1507,
43.0151

 85.2521, 76.3565,
106.4129

 22.6051, 18.4393,
29.5655


 110.2186,
100.0636, 136.6236

 14.4213, 11.2658,
19.2598


139.6376,
128.2307, 172.0709

 8.4979, 6.2459,
11.6794

173.8746,
161.2421, 213.1733

 4.4696, 2.9952,
6.4059

213.2949,
199.4822, 260.3494

 1.9711, 1.1292,
3.0207

258.2638,

 0.6177, 0.0027,

243.3354, 314.0178

1.1052

309.1467,
293.1861, 374.5970

■ 0.0000, 0.0000,
0.0000

■ 47.2156, 40.7844,
60.0272

■ 47.2156, 40.7844,
60.0272

■ 43.8785, 34.4258,
57.9403

■ 51.1323, 48.2973,
62.3191

■ 41.0885, 29.1586,
56.0462

■ 55.6515, 57.0124,
64.8224

■ 38.8158, 24.9223,
54.3353

■ 60.7996, 66.9817,
67.5462

■ 37.0260, 21.6484,
52.7962

■ 66.6001, 78.2522,
70.4986

■ 35.6806, 19.2599,
51.4160

■ 72.1092, 88.9364,
73.3648

■ 34.7353, 17.6680,
50.1799

■ 72.3203, 89.0208,
74.4761

■ 34.1365, 16.7657,
49.0699

■ 72.5336, 89.1061,
75.5993

■ 33.8717, 16.4253,
48.3982

■ 72.7491, 89.1923,
76.7343

■ 72.9669, 89.2794,
77.8813

Harmonies

Analogous

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



43.3172, 40.7844, 72.3085



47.2156, 40.7844, 60.0272



48.8297, 40.7844, 45.2907

Triad

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



47.2156, 40.7844, 60.0272



39.0716, 40.7844, 22.7400



31.1215, 40.7844, 58.1879

Complementary

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



47.2156, 40.7844, 60.0272



41.6499, 52.7929, 41.2548

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.



30.1870, 40.7844, 43.5354



47.2156, 40.7844, 60.0272



34.5423, 40.7844, 24.8029

Square

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



47.2156, 40.7844, 60.0272



43.8913, 40.7844, 25.4029



31.3870, 40.7844, 31.7633



34.0531, 40.7844, 71.1006

Rectangle

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



47.2156, 40.7844, 60.0272



48.2996, 40.7844, 36.6257



31.3870, 40.7844, 31.7633



30.5747, 40.7844, 53.2197

Sweetspot

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



47.2168, 40.7862, 60.0281



89.3790, 89.0398, 105.8326



37.2865, 35.6122, 62.0361



19.0313, 18.8663, 22.5977



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.



47.2168, 40.7862, 60.0281



75.4041, 62.2176, 97.6977



44.6282, 39.7507, 46.3964



11.6456, 11.3870, 13.9346



21.3357, 10.3449, 30.5503



1.1129, 0.5386, 1.6402

Inverse Universe

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



47.2168, 40.7862, 60.0281



75.4041, 62.2176, 97.6977



43.9563, 53.7155, 53.4002



11.6456, 11.3870, 13.9346



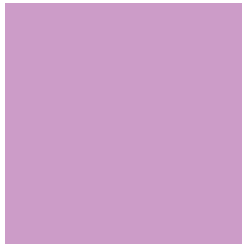
21.3357, 10.3449, 30.5503



1.1129, 0.5386, 1.6402

Previews

White Background



This preview shows how the XYZ color 47.2156, 40.7844, 60.0272 looks on a white background.

Color Contrast Check

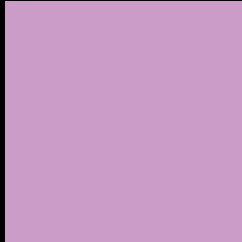
Large Text (above 18pt) WCAG AA × Fail

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 47.2156, 40.7844, 60.0272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

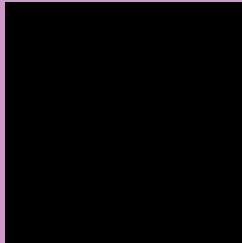
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2156, 40.7844, 60.0272

Background



This preview shows how black text looks on a background with the XYZ color 47.2156, 40.7844, 60.0272.



This preview shows how white text looks on a background with the XYZ color 47.2156, 40.7844,

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

47.2156, 40.7844, 60.0272

Protanopia

40.7836, 41.0343, 66.0925

Deuteranopia

41.6910, 40.8286, 59.1094



Tritanopia

44.1071, 40.7862, 45.0830

Trichromacy



Original Color

47.2156, 40.7844, 60.0272

Protanomaly

42.7272, 40.7136, 63.9991

Deuteranomaly

43.6557, 40.7570, 59.5988

Tritanomaly

45.0328, 40.6327, 50.2692

Monochromacy



Original Color

47.2156, 40.7844, 60.0272

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.9041, 41.9051, 51.1746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2156, 40.7844, 60.0272 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(204, 156, 200)` looks like.

```
.text, #text, p{  
    color:rgb(204, 156, 200)  
}
```

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(204, 156, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 156, 200) }
```

Border

The CSS property to change the border of an element to XYZ 47.2156, 40.7844, 60.0272 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(204, 156, 200) }
```


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

```
.border{ border-color:rgb(204, 156, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 156, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 156, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 156, 200);  
box-shadow:4px 4px 4px 4px rgb(204, 156,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2156, 40.7844, 60.0272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 156, 200) }
```

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

```
.background{ background-color: rgb(204,  
156, 200) }
```

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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