

Converting Colors

XYZ(48.7248, 40.0669, 59.7142)

Have a look what the booklet for
XYZ(48.7248, 40.0669, 59.7142)
contains.

XYZ(48.7722, 40.1290, 59.8187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.7722, 40.1290,
59.8187)**

Conversions

Conversions Part 1

Format	Color
Hex	D596C8
RGB	213, 150, 200
RGB Percent	84%, 59%, 78%
CMY	0.1647, 0.4117, 0.2157
CMYK	0.00, 0.30, 0.06, 0.16
HSL	312°, 43%, 71%
HSV	312°, 30%, 84%
XYZ	48.7722, 40.1290, 59.8187
YIQ	174.5370, 21.4980, 28.9060

Conversions

Conversions Part 2

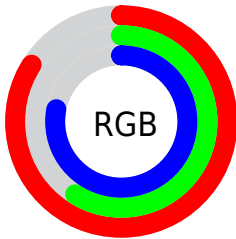
Format	Color
R_{YB}	213, 150, 200
Decimal	13997768
CIE _{Lab}	69.56, 31.50, -16.28
CIE _{LCh}	70, 35.458, 332.662
Yxy	40.1290, 0.3279, 0.2698
Android (android.graphics.Color)	4292187848 (0xFFD596C8)
YUV	174.5370, 12.5533, 33.7321
Hunter-Lab	63.3475, 26.5719, -11.6440

Details

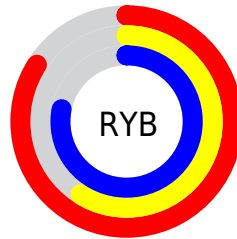
The XYZ color **48.7722, 40.1290, 59.8187** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.9844, 56.7180, 43.3349**, and the grayscale version is **40.4391, 42.5451, 46.3316**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **23.4606, 17.9788, 29.4279** is the 20% darker color. If you saturate the color by 10%, you get **45.1712, 33.7368, 56.1205**, and if you desaturate by 10%, it is **53.0082, 47.7662, 63.8023**.

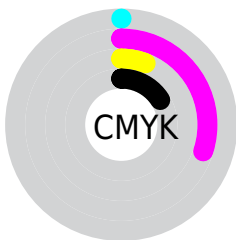
Distribution



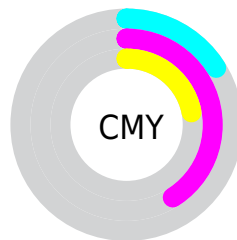
- Red (84%)
- Green (59%)
- Blue (78%)



- Red (84%)
- Yellow (59%)
- Blue (78%)



- Cyan (0%)
- Magenta (30%)
- Yellow (6%)
- Black (16%)





- Cyan (16%)
- Magenta (41%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7722, 40.1290, 59.8187 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 48.7722, 40.1290, 59.8187 by changing the saturation by 10% instead.

 48.7722, 40.1290,
59.8187


 48.7722, 40.1290,
59.8187


372.3767,
346.6670, 441.7153

 34.6526, 27.6391,
42.8482


 87.5558, 75.3599,
106.1074

 23.5606, 18.0538,
29.4355


 112.9505, 98.8697,
136.2627

 15.1310, 10.9886,
19.1621


142.8343,
126.8217, 171.6500

 8.9983, 6.0592,
11.6095

177.5725,
159.6002, 212.6878

 4.7972, 2.8811,
6.3591

217.5304,
197.5895, 259.7947

 2.1623, 1.0700,
2.9923

263.0736,

 0.7227, 0.0000,

241.1742, 313.3892

1.0907

314.5672,
290.7385, 373.8899

■ 0.0000, 0.0000,
0.0000

■ 48.7722, 40.1290,
59.8187

■ 48.7722, 40.1290,
59.8187

■ 45.1712, 33.7368,
56.1205

■ 53.0082, 47.7662,
63.8023

■ 42.1679, 28.5171,
52.6933

■ 57.9065, 56.7051,
68.0798

■ 39.7268, 24.3985,
49.5252

■ 63.4975, 67.0052,
72.6622

■ 37.8068, 21.2992,
46.6018

■ 69.8084, 78.7208,
77.5593

■ 36.3614, 19.1262,
43.9071

■ 76.3827, 90.9390,
82.6193

35.3354, 17.7694,
41.4219

76.9797, 91.1778,
85.7627

34.6339, 17.0392,
39.1141

77.5921, 91.4228,
88.9876

34.6065, 17.0125,
39.0184

78.2201, 91.6740,
92.2945

78.8638, 91.9314,
95.6842

Harmonies

Analogous

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



44.3918, 40.1290, 75.9473



48.7722, 40.1290, 59.8187



50.2199, 40.1290, 42.2468

Triad

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



48.7722, 40.1290, 59.8187



37.6328, 40.1290, 19.1730



29.6093, 40.1290, 62.9979

Complementary

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



48.7722, 40.1290, 59.8187



42.9844, 56.7180, 43.3349

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.



28.1738, 40.1290, 45.1732



48.7722, 40.1290, 59.8187



32.5071, 40.1290, 22.1745

Square

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



48.7722, 40.1290, 59.8187



43.4200, 40.1290, 21.2566



29.1798, 40.1290, 30.7629



33.3090, 40.1290, 78.0821

Rectangle

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



48.7722, 40.1290, 59.8187



49.2205, 40.1290, 32.6441



29.1798, 40.1290, 30.7629



28.8637, 40.1290, 56.9916

Sweetspot

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



48.7734, 40.1308, 59.8195



87.4074, 85.9201, 102.6370



37.9409, 34.3633, 67.5844



18.4618, 17.9377, 21.7595



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.



48.7734, 40.1308, 59.8195



70.0559, 54.5317, 86.6345



45.5004, 38.8216, 42.5840



12.8381, 12.5867, 15.0878



21.1770, 10.4071, 24.0339



1.3056, 0.6390, 1.5987

Inverse Universe

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



48.7734, 40.1308, 59.8195



70.0559, 54.5317, 86.6345



46.1222, 57.9731, 59.8581



12.8381, 12.5867, 15.0878



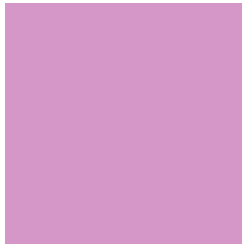
21.1770, 10.4071, 24.0339



1.3056, 0.6390, 1.5987

Previews

White Background



This preview shows how the XYZ color 48.7722, 40.1290, 59.8187 looks on a white background.

Color Contrast Check

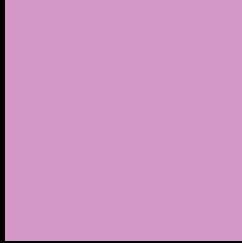
Large Text (above 18pt) WCAG AA × Fail

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 48.7722, 40.1290, 59.8187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

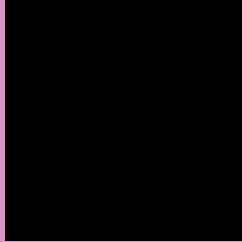
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7722, 40.1290, 59.8187

Background



This preview shows how black text looks on a background with the XYZ color 48.7722, 40.1290, 59.8187.



This preview shows how white text looks on a background with the XYZ color 48.7722, 40.1290,

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

48.7722, 40.1290, 59.8187

Protanopia

40.6954, 40.6536, 68.6528

Deuteranopia

41.1698, 40.3023, 58.4326



Tritanopia

45.2508, 40.1594, 42.4123

Trichromacy



Original Color

48.7722, 40.1290, 59.8187

Protanomaly

42.8959, 39.9784, 65.1303

Deuteranomaly

43.5029, 39.9102, 58.8367

Tritanomaly

46.3722, 40.1081, 48.4776

Monochromacy



Original Color

48.7722, 40.1290, 59.8187

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.2742, 41.5519, 51.0869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7722, 40.1290, 59.8187 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(213, 150, 200)` looks like.

```
.text, #text, p{  
    color:rgb(213, 150, 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(213, 150, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 150, 200) }
```

Border

The CSS property to change the border of an element to XYZ 48.7722, 40.1290, 59.8187 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(213, 150, 200) }
```


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

```
.border{ border-color:rgb(213, 150, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 150, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 150, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 150, 200);  
box-shadow:4px 4px 4px 4px rgb(213, 150,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7722, 40.1290, 59.8187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 150, 200) }
```

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

```
.background{ background-color: rgb(213,  
150, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor