

Converting Colors

XYZ(37.7328, 25.8288, 52.6206)

Have a look what the booklet for
XYZ(37.7328, 25.8288, 52.6206)
contains.

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Color

**XYZ(37.8547, 25.9147,
52.8760)**

Conversions

Conversions Part 1

Format	Color
Hex	C669C0
RGB	198, 105, 192
RGB Percent	78%, 41%, 75%
CMY	0.2235, 0.5882, 0.2471
CMYK	0.00, 0.47, 0.03, 0.22
HSL	304°, 45%, 59%
HSV	304°, 47%, 78%
XYZ	37.8547, 25.9147, 52.8760
YIQ	142.7250, 27.5010, 46.7730

Conversions

Conversions Part 2

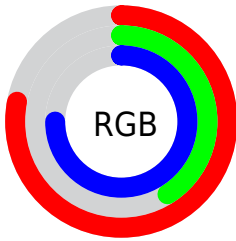
Format	Color
RYB	198, 105, 192
Decimal	13003200
CIELab	57.96, 49.10, -29.69
CIElCh	58, 57.377, 328.835
Yxy	25.9147, 0.3245, 0.2222
Android (android.graphics.Color)	4291193280 (0xFFC669C0)
YUV	142.7250, 24.2926, 48.4762
Hunter-Lab	50.9065, 43.6485, -25.9493

Details

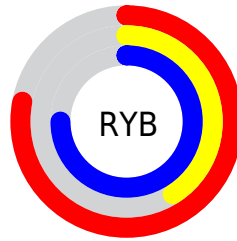
The XYZ color **37.8547, 25.9147, 52.8760** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.8902, 44.5401, 22.1149**, and the grayscale version is **25.8984, 27.2471, 29.6721**.

A 20% lighter version of the original color is **70.7370, 52.8958, 96.1042**, and **16.9708, 10.0417, 25.0885** is the 20% darker color. If you saturate the color by 10%, you get **35.9272, 22.2846, 51.5383**, and if you desaturate by 10%, it is **40.2547, 30.4865, 54.3777**.

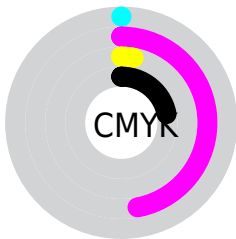
Distribution



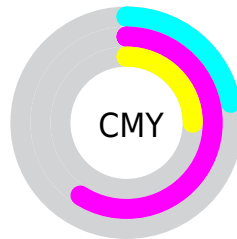
- Red (78%)
- Green (41%)
- Blue (75%)



- Red (78%)
- Yellow (41%)
- Blue (75%)



- Cyan (0%)
- Magenta (47%)
- Yellow (3%)
- Black (22%)




- Cyan (22%)
- Magenta (59%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8547, 25.9147, 52.8760 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 37.8547, 25.9147, 52.8760 by changing the saturation by 10% instead.


 37.8547, 25.9147,
52.8760

 37.8547, 25.9147,
52.8760

328.2879,
282.3631, 414.8620


 26.0466, 16.7598,
37.3167


 71.1907, 53.1373,
95.8616


 16.9914, 10.0634,
25.1551


 93.4494, 71.9738,
124.1250

 10.3236, 5.4410,
15.9726


 119.9223, 94.8064,
157.4602

 5.6780, 2.5083,
9.3506

 150.9748,
122.0193, 196.2857

 2.6891, 0.8808,
4.8707

186.9722,
153.9971, 241.0201

 0.9915, 0.0000,
2.1142

228.2800,

 0.0000, 0.0000,

191.1240, 292.0819

0.6242

275.2634,
233.7846, 349.8897

■ 0.0000, 0.0000,
0.0000

■ 37.8547, 25.9147,
52.8760

■ 37.8547, 25.9147,
52.8760

■ 35.9272, 22.2846,
51.5383

■ 40.2547, 30.4865,
54.3777

■ 34.4364, 19.5266,
50.3520

■ 43.1543, 36.0563,
56.0519

■ 33.3458, 17.5672,
49.3051


■ 46.5820, 42.6801,
57.9081

■ 32.6120, 16.3192,
48.3831


■ 50.5630, 50.4086,
59.9549


■ 32.1760, 15.6650,
47.5664


■ 55.1211, 59.2894,
62.2002

 32.0697, 15.5182,
47.3286

 60.2788, 69.3673,
64.6515

 66.0572, 80.6847,
67.3158

 69.7359, 87.8007,
69.2864

 69.8881, 87.8616,
70.0877

Harmonies

Analogous

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



31.6186, 25.9147, 76.4669



37.8547, 25.9147, 52.8760



40.4652, 25.9147, 28.9985

Triad

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



37.8547, 25.9147, 52.8760



24.9026, 25.9147, 4.6974



14.7205, 25.9147, 50.8625

Complementary

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



37.8547, 25.9147, 52.8760



28.8902, 44.5401, 22.1149

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.



13.5830, 25.9147, 27.4491



37.8547, 25.9147, 52.8760



18.7574, 25.9147, 6.2735

Square

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



37.8547, 25.9147, 52.8760



32.1752, 25.9147, 6.5622



14.9132, 25.9147, 12.7383



18.3693, 25.9147, 74.9709

Rectangle

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



37.8547, 25.9147, 52.8760



39.4855, 25.9147, 17.6194



14.9132, 25.9147, 12.7383



14.0657, 25.9147, 42.3868

Sweetspot

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



37.8556, 25.9159, 52.8765



84.3311, 79.1522, 103.5083



21.6328, 17.4743, 55.6595



17.7355, 16.3315, 21.9905



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.



37.8556, 25.9159, 52.8765



63.6579, 39.5332, 91.2920



33.5960, 24.2121, 30.4461



11.0524, 10.8044, 13.2593



20.8677, 10.0967, 30.8430



0.9972, 0.4817, 1.5086

Inverse Universe

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



37.8556, 25.9159, 52.8765



63.6579, 39.5332, 91.2920



32.0343, 45.7977, 38.6719



11.0524, 10.8044, 13.2593



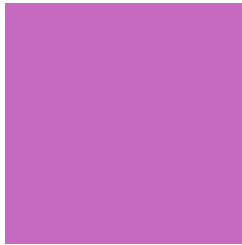
20.8677, 10.0967, 30.8430



0.9972, 0.4817, 1.5086

Previews

White Background



This preview shows how the XYZ color 37.8547, 25.9147, 52.8760 looks on a white background.

Color Contrast Check

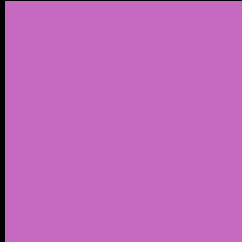
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8547, 25.9147, 52.8760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

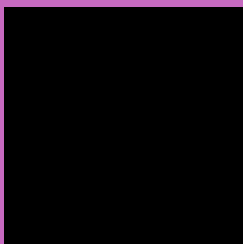
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8547, 25.9147, 52.8760

Background



This preview shows how black text looks on a background with the XYZ color 37.8547, 25.9147, 52.8760.



This preview shows how white text looks on a background with the XYZ color 37.8547, 25.9147,

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

37.8547, 25.9147, 52.8760

Protanopia

28.0310, 26.2683, 69.9226

Deuteranopia

26.8535, 26.3113, 50.1176



Tritanopia

31.8480, 25.9386, 23.7502

Trichromacy



Original Color

37.8547, 25.9147, 52.8760



Protanomaly

29.9976, 25.0215, 63.5702



Deuteranomaly

29.6748, 25.3249, 50.9011



Tritanomaly

33.7090, 25.8333, 32.4878

Monochromacy



Original Color

37.8547, 25.9147, 52.8760



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

29.3875, 26.0603, 37.1995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8547, 25.9147, 52.8760 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(198, 105, 192)` looks like.

```
.text, #text, p{  
    color:rgb(198, 105, 192)  
}
```

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(198, 105, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 105, 192) }
```

Border

The CSS property to change the border of an element to XYZ 37.8547, 25.9147, 52.8760 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(198, 105, 192) }
```


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

```
.border{ border-color:rgb(198, 105, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 105, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 105, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 105, 192);  
box-shadow:4px 4px 4px 4px rgb(198, 105,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8547, 25.9147, 52.8760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 105, 192) }
```

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

```
.background{ background-color: rgb(198,  
105, 192) }
```

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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