

Converting Colors

XYZ(47.2060, 37.5917, 54.5773)

Have a look what the booklet for
XYZ(47.2060, 37.5917, 54.5773)
contains.

XYZ(47.2118, 37.5988, 54.6381)	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(47.2118, 37.5988,
54.6381)**

Conversions

Conversions Part 1

Format	Color
Hex	D78EC0
RGB	215, 142, 192
RGB Percent	84%, 56%, 75%
CMY	0.1569, 0.4431, 0.2471
CMYK	0.00, 0.34, 0.11, 0.16
HSL	319°, 48%, 70%
HSV	319°, 34%, 84%
XYZ	47.2118, 37.5988, 54.6381
YIQ	169.5270, 27.4580, 31.0260

Conversions

Conversions Part 2

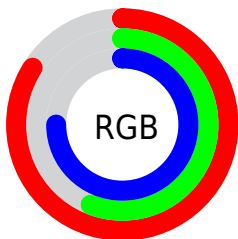
Format	Color
R _Y B	215, 142, 192
Decimal	14126784
CIE Lab	67.72, 35.10, -14.58
CIE LCh	68, 38.009, 337.445
Yxy	37.5988, 0.3386, 0.2696
Android (android.graphics.Color)	4292316864 (0xFFD78EC0)
YUV	169.5270, 11.0792, 39.8798
Hunter-Lab	61.3179, 30.1301, -9.9086

Details

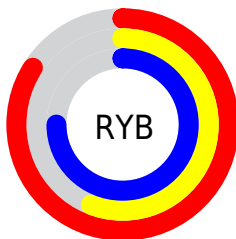
The XYZ color **47.2118, 37.5988, 54.6381** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.2489, 57.0695, 44.3886**, and the grayscale version is **37.9113, 39.8857, 43.4355**.

A 20% lighter version of the original color is **78.1495, 67.9698, 97.8075**, and **22.5417, 16.5182, 26.0450** is the 20% darker color. If you saturate the color by 10%, you get **43.5829, 31.5143, 49.8101**, and if you desaturate by 10%, it is **51.4945, 44.9344, 59.8553**.

Distribution



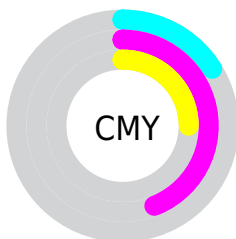
- Red (84%)
- Green (56%)
- Blue (75%)



- Red (84%)
- Yellow (56%)
- Blue (75%)



- Cyan (0%)
- Magenta (34%)
- Yellow (11%)
- Black (16%)





- Cyan (16%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2118, 37.5988, 54.6381 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 47.2118, 37.5988, 54.6381 by changing the saturation by 10% instead.


 47.2118, 37.5988,
54.6381


 47.2118, 37.5988,
54.6381

366.2941,
335.8958, 421.7818

 33.4118, 25.6715,
38.7154

 85.2465, 71.4928,
98.4763

 22.6028, 16.5780,
26.2323


 110.2119, 94.2282,
127.2290

 14.4196, 9.9341,
16.7702

139.6298,
121.3351, 161.0953

 8.4967, 5.3553,
9.9105

173.8655,
153.1979, 200.4939

 4.4689, 2.4572,
5.2349

213.2845,
190.2010, 245.8434

 1.9707, 0.8551,
2.3246

258.2520,

 0.6174, 0.0000,

232.7287, 297.5621

0.7449

309.1334,
281.1655, 356.0688

■ 0.0000, 0.0000,
0.0000

■ 47.2118, 37.5988,
54.6381

■ 47.2118, 37.5988,
54.6381

■ 43.5829, 31.5143,
49.8101

■ 51.4945, 44.9344,
59.8553

■ 40.5683, 26.6043,
45.3547

■ 56.4607, 53.5817,
65.4727

■ 38.1294, 22.7921,
41.2571

■ 62.1424, 63.6034,
71.5034

■ 36.2218, 19.9891,
37.5002

■ 68.5688, 75.0567,
77.9594

■ 34.7939, 18.0934,
34.0643

■ 75.7669, 87.9956,
84.8518

■ 33.7834, 16.9811,
30.9262

■ 78.4424, 91.8303,
90.4178

■ 33.3113, 16.5619,
29.1505

■ 79.4271, 92.2242,
95.6035

■ 80.4494, 92.6332,
100.9869

■ 81.5097, 93.0573,
106.5702

Harmonies

Analogous

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



43.0509, 37.5988, 72.3553



47.2118, 37.5988, 54.6381



48.1432, 37.5988, 36.8899

Triad

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



47.2118, 37.5988, 54.6381



34.2933, 37.5988, 16.5161



27.5003, 37.5988, 63.9162

Complementary

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



47.2118, 37.5988, 54.6381



42.2489, 57.0695, 44.3886

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.



25.6686, 37.5988, 45.2734



47.2118, 37.5988, 54.6381



29.3014, 37.5988, 20.2570

Square

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



47.2118, 37.5988, 54.6381



40.2451, 37.5988, 17.7472



26.2899, 37.5988, 29.7450



31.5779, 37.5988, 78.6549

Rectangle

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



47.2118, 37.5988, 54.6381



46.7233, 37.5988, 27.7696



26.2899, 37.5988, 29.7450



26.6231, 37.5988, 57.7254

Sweetspot

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



47.2129, 37.6005, 54.6389



86.1810, 84.2890, 99.6947



37.2296, 32.1361, 68.5315



18.1984, 17.6051, 21.0727



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.



47.2129, 37.6005, 54.6389



65.4108, 48.4936, 75.0602



43.7505, 36.2155, 36.4058



12.7787, 12.5630, 14.7751



19.9738, 9.9258, 17.6980



1.2414, 0.6134, 1.2607

Inverse Universe

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



47.2129, 37.6005, 54.6389



65.4108, 48.4936, 75.0602



45.9293, 58.5417, 63.7692



12.7787, 12.5630, 14.7751



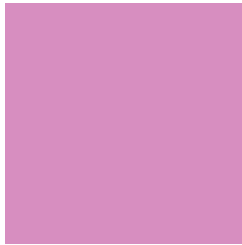
19.9738, 9.9258, 17.6980



1.2414, 0.6134, 1.2607

Previews

White Background



This preview shows how the XYZ color 47.2118, 37.5988, 54.6381 looks on a white background.

Color Contrast Check

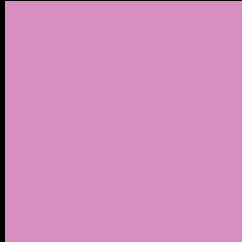
Large Text (above 18pt) WCAG AA × Fail

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 47.2118, 37.5988, 54.6381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

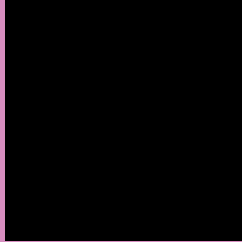
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2118, 37.5988, 54.6381

Background



This preview shows how black text looks on a background with the XYZ color 47.2118, 37.5988, 54.6381.



This preview shows how white text looks on a background with the XYZ color 47.2118, 37.5988,

54.6381.

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

47.2118, 37.5988, 54.6381

Protanopia

38.0555, 38.0245, 64.3652

Deuteranopia

38.5077, 37.7099, 53.3933



Tritanopia

43.7119, 37.5319, 37.7414

Trichromacy



Original Color

47.2118, 37.5988, 54.6381



Protanomaly

40.6806, 37.3883, 60.9497



Deuteranomaly

41.0996, 37.2680, 53.7425



Tritanomaly

44.7809, 37.4951, 43.4051

Monochromacy



Original Color

47.2118, 37.5988, 54.6381



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

40.8564, 38.7951, 47.4543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2118, 37.5988, 54.6381 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(215, 142, 192)` looks like.

```
.text, #text, p{  
    color:rgb(215, 142, 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(215, 142, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 142, 192) }
```

Border

The CSS property to change the border of an element to XYZ 47.2118, 37.5988, 54.6381 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(215, 142, 192) }
```


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

```
.border{ border-color:rgb(215, 142, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 142, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 142, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 142, 192);  
box-shadow:4px 4px 4px 4px rgb(215, 142,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2118, 37.5988, 54.6381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 142, 192) }
```

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

```
.background{ background-color: rgb(215,  
142, 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](#).

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