

Converting Colors

XYZ(52.4678, 37.1233, 67.2215)

Have a look what the booklet for
XYZ(52.4678, 37.1233, 67.2215)
contains.

XYZ(52.3625, 37.0654, 67.3453)	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(52.3625, 37.0654,
67.3453)**

Conversions

Conversions Part 1

Format	Color
Hex	E680D5
RGB	230, 128, 213
RGB Percent	90%, 50%, 84%
CMY	0.0980, 0.4980, 0.1647
CMYK	0.00, 0.44, 0.07, 0.10
HSL	310°, 67%, 70%
HSV	310°, 44%, 90%
XYZ	52.3625, 37.0654, 67.3453
YIQ	168.1880, 33.5070, 48.0590

Conversions

Conversions Part 2

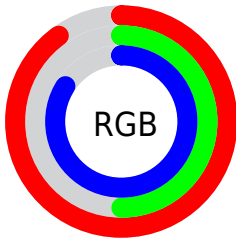
Format	Color
RYB	230, 128, 213
Decimal	15106261
CIELab	67.33, 50.72, -26.74
CIELCh	67, 57.339, 332.204
Yxy	37.0654, 0.3340, 0.2364
Android (android.graphics.Color)	4293296341 (0xFFE680D5)
YUV	168.1880, 22.0923, 54.2091
Hunter-Lab	60.8814, 46.9809, -22.9680

Details

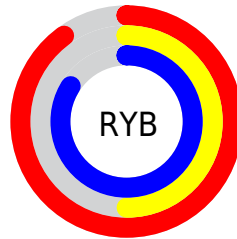
The XYZ color **52.3625, 37.0654, 67.3453** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.3113, 63.2284, 36.7647**, and the grayscale version is **37.1962, 39.1333, 42.6162**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **25.7009, 16.2714, 34.1339** is the 20% darker color. If you saturate the color by 10%, you get **49.2149, 31.5392, 63.9239**, and if you desaturate by 10%, it is **56.2038, 43.9593, 71.0554**.

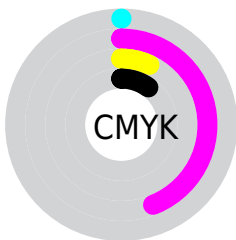
Distribution



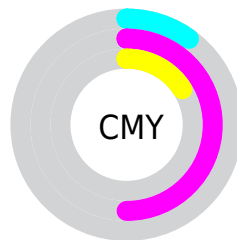
- Red (90%)
- Green (50%)
- Blue (84%)



- Red (90%)
- Yellow (50%)
- Blue (84%)



- Cyan (0%)
- Magenta (44%)
- Yellow (7%)
- Black (10%)



- Cyan (10%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3625, 37.0654, 67.3453 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 52.3625, 37.0654, 67.3453 by changing the saturation by 10% instead.

52.3625, 37.0654,
67.3453

52.3625, 37.0654,
67.3453

386.1355,
333.5936, 469.7078

37.5195, 25.2581,
48.9019

92.8367, 70.6734,
117.0604

25.7855, 16.2695,
34.1766

119.1986, 93.2428,
149.1692

16.7951, 9.7150,
22.7509

150.1309,
120.1685, 186.6702

10.1829, 5.2104,
14.2061

185.9990,
151.8348, 229.9821

5.5836, 2.3713,
8.1238

227.1681,
188.6260, 279.5232

2.6318, 0.8110,
4.0853

274.0036,

0.9622, 0.0000,

230.9266, 335.7121

1.6723

326.8710,
279.1210, 398.9675

■ 0.0000, 0.0000,
0.3416

■ 0.0000, 0.0000,
0.0000

■ 52.3625, 37.0654,
67.3453

■ 52.3625, 37.0654,
67.3453

■ 49.2149, 31.5392,
63.9239

■ 56.2038, 43.9593,
71.0554

■ 46.7109, 27.2825,
60.7730


■ 60.7776, 52.3003,
75.0665


■ 44.7992, 24.1923,
57.8756


■ 66.1237, 62.1674,
79.3926


■ 43.4191, 22.1471,
55.2109


■ 72.2784, 73.6328,
84.0460


 42.4963, 20.9987,
52.7538

 79.2754, 86.7638,
89.0385

 42.1108, 20.6141,
51.4343

 83.5341, 94.3994,
93.1768

 84.0973, 94.6247,
96.1423

 84.6724, 94.8548,
99.1712

 85.2597, 95.0897,
102.2638

Harmonies

Analogous

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



45.0084, 37.0654, 96.6082



52.3625, 37.0654, 67.3453



54.9224, 37.0654, 38.5276

Triad

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



52.3625, 37.0654, 67.3453



34.5845, 37.0654, 8.7690



22.7945, 37.0654, 71.9768

Complementary

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



52.3625, 37.0654, 67.3453



42.3113, 63.2284, 36.7647

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.



20.9160, 37.0654, 42.2453



52.3625, 37.0654, 67.3453



26.9808, 37.0654, 11.7240

Square

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



52.3625, 37.0654, 67.3453



43.6978, 37.0654, 10.9274



22.3124, 37.0654, 21.7581



27.9327, 37.0654, 99.9726

Rectangle

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



52.3625, 37.0654, 67.3453



53.2736, 37.0654, 24.7123



22.3124, 37.0654, 21.7581



21.8033, 37.0654, 61.5122

Sweetspot

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



52.3637, 37.0671, 67.3461



84.4945, 80.2921, 101.0558



33.6809, 27.1732, 78.3335



17.7396, 16.5445, 21.3603



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.



52.3637, 37.0671, 67.3461



62.5713, 40.5100, 81.2184



46.8753, 34.8717, 38.4446



14.8865, 14.5718, 17.6029



23.8798, 11.6861, 29.3255



1.7922, 0.8746, 2.3120

Inverse Universe

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



52.3637, 37.0671, 67.3461



62.5713, 40.5100, 81.2184



47.1641, 65.1695, 62.3192



14.8865, 14.5718, 17.6029



23.8798, 11.6861, 29.3255



1.7922, 0.8746, 2.3120

Previews

White Background



This preview shows how the XYZ color 52.3625, 37.0654, 67.3453 looks on a white background.

Color Contrast Check

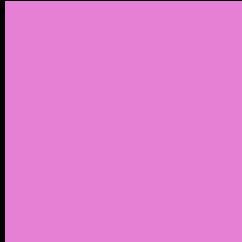
Large Text (above 18pt) WCAG AA × Fail

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 52.3625, 37.0654, 67.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

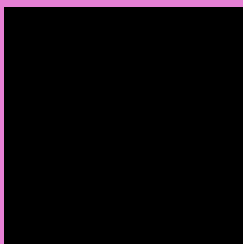
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3625, 37.0654, 67.3453

Background



This preview shows how black text looks on a background with the XYZ color 52.3625, 37.0654, 67.3453.



This preview shows how white text looks on a background with the XYZ color 52.3625, 37.0654,

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

52.3625, 37.0654, 67.3453

Protanopia

39.1478, 37.5616, 86.8482

Deuteranopia

38.1079, 37.2638, 64.2156



Tritanopia

45.6238, 37.0047, 34.4438

Trichromacy



Original Color

52.3625, 37.0654, 67.3453



Protanomaly

42.2025, 36.2965, 79.6445



Deuteranomaly

42.0232, 36.2887, 65.1112



Tritanomaly

47.8082, 36.8331, 44.6341

Monochromacy



Original Color

52.3625, 37.0654, 67.3453



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.5288, 37.3195, 50.3620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3625, 37.0654, 67.3453 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(230, 128, 213)` looks like.

```
.text, #text, p{  
    color:rgb(230, 128, 213)  
}
```

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(230, 128, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 128, 213) }
```

Border

The CSS property to change the border of an element to XYZ 52.3625, 37.0654, 67.3453 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(230, 128, 213) }
```


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

```
.border{ border-color:rgb(230, 128, 213) }
```

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

Here you see how a box with a 4 pixel rgb(230, 128, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 128, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 128, 213);  
box-shadow:4px 4px 4px 4px rgb(230, 128,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3625, 37.0654, 67.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 128, 213) }
```

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

```
.background{ background-color: rgb(230,  
128, 213) }
```

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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