

Converting Colors

XYZ(37.2313, 27.0990, 42.5366)

Have a look what the booklet for
XYZ(37.2313, 27.0990, 42.5366)
contains.

XYZ(37.1709, 27.0682, 42.2953)	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(37.1709, 27.0682,
42.2953)**

Conversions

Conversions Part 1

Format	Color
Hex	C871AC
RGB	200, 113, 172
RGB Percent	78%, 44%, 67%
CMY	0.2157, 0.5568, 0.3255
CMYK	0.00, 0.43, 0.14, 0.22
HSL	319°, 44%, 61%
HSV	319°, 43%, 78%
XYZ	37.1709, 27.0682, 42.2953
YIQ	145.7390, 32.9130, 36.7930

Conversions

Conversions Part 2

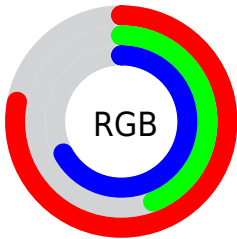
Format	Color
R _Y B	200, 113, 172
Decimal	13136300
CIE Lab	59.04, 42.21, -16.55
CIE LCh	59, 45.337, 338.584
Yxy	27.0682, 0.3489, 0.2541
Android (android.graphics.Color)	4291326380 (0xFFC871AC)
YUV	145.7390, 12.9467, 47.5869
Hunter-Lab	52.0271, 36.4823, -11.7807

Details

The XYZ color **37.1709, 27.0682, 42.2953** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **32.2732, 46.7431, 32.5226**, and the grayscale version is **27.1549, 28.5691, 31.1118**.

A 20% lighter version of the original color is **68.9238, 54.4435, 79.5490**, and **16.5605, 10.6228, 18.9469** is the 20% darker color. If you saturate the color by 10%, you get **34.5773, 22.8462, 38.4542**, and if you desaturate by 10%, it is **40.2877, 32.2879, 46.4591**.

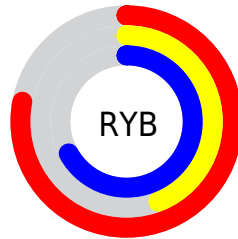
Distribution



Red (78%)

Green (44%)

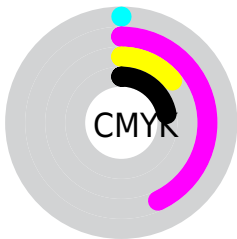
Blue (67%)



Red (78%)

Yellow (44%)

Blue (67%)

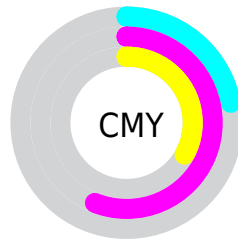


Cyan (0%)

Magenta (43%)

Yellow (14%)

Black (22%)



Cyan (22%)


Magenta (56%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1709, 27.0682, 42.2953 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 37.1709, 27.0682, 42.2953 by changing the saturation by 10% instead.


 37.1709, 27.0682,
42.2953


 37.1709, 27.0682,
42.2953

325.3925,
287.9872, 371.5413

 25.5141, 17.6244,
29.0053


 70.1477, 54.9933,
79.9213


 16.5913, 10.6807,
18.8392


 92.1984, 74.2434,
105.0943

 10.0370, 5.8526,
11.3785


 118.4445, 97.5311,
135.0654

 5.4860, 2.7556,
6.2047

 149.2512,
125.2408, 170.2532

 2.5728, 1.0055,
2.8991

184.9841,
157.7569, 211.0761

 0.9321, 0.0000,
1.0434

226.0083,

 0.0000, 0.0000,

195.4637, 257.9527

0.0000

272.6894,
238.7457, 311.3016

■ 37.1709, 27.0682,
42.2953

■ 37.1709, 27.0682,
42.2953

■ 34.5773, 22.8462,
38.4542

■ 40.2877, 32.2879,
46.4591

■ 32.4714, 19.5528,
34.9211

■ 43.9554, 38.5612,
50.9561

■ 30.8170, 17.1158,
31.6821

■ 48.2025, 45.9440,
55.7980

■ 29.5715, 15.4506,
28.7208

■ 53.0549, 54.4875,
60.9953

■ 28.6835, 14.4554,
26.0179

■ 58.5366, 64.2393,
66.5581

■ 28.2372, 14.0465,
24.3777

■ 64.6708, 75.2447,
72.4959

■ 71.4789, 87.5465,
78.8177

■ 72.9660, 89.1540,
83.5270

■ 73.8533, 89.5089,
88.1993

Harmonies

Analogous

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



33.0819, 27.0682, 60.9333



37.1709, 27.0682, 42.2953



37.9764, 27.0682, 25.0854

Triad

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



37.1709, 27.0682, 42.2953



24.1462, 27.0682, 8.2252



18.1633, 27.0682, 53.3276

Complementary

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



37.1709, 27.0682, 42.2953



32.2732, 46.7431, 32.5226

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.



16.4441, 27.0682, 34.3438



37.1709, 27.0682, 42.2953



19.5528, 27.0682, 11.2813

Square

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



37.1709, 27.0682, 42.2953



29.8834, 27.0682, 9.0145



16.9128, 27.0682, 19.5452



21.9760, 27.0682, 68.7515

Rectangle

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



37.1709, 27.0682, 42.2953



36.4450, 27.0682, 16.9947



16.9128, 27.0682, 19.5452



17.3487, 27.0682, 46.9217

Sweetspot

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



37.1717, 27.0695, 42.2958



83.7008, 79.9747, 96.8765



27.2399, 21.6053, 57.3784



17.5423, 16.4656, 20.3216



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.



37.1717, 27.0695, 42.2958



60.1731, 40.0472, 67.0590



33.6847, 25.6746, 23.9333



10.9323, 10.7563, 12.6266



17.9965, 8.9482, 15.7234



0.8842, 0.4365, 0.9133

Inverse Universe

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



37.1717, 27.0695, 42.2958



60.1731, 40.0472, 67.0590



36.1222, 48.2827, 52.7913



10.9323, 10.7563, 12.6266



17.9965, 8.9482, 15.7234



0.8842, 0.4365, 0.9133

Previews

White Background



This preview shows how the XYZ color 37.1709, 27.0682, 42.2953 looks on a white background.

Color Contrast Check

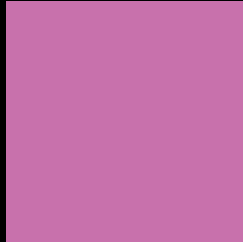
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1709, 27.0682, 42.2953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

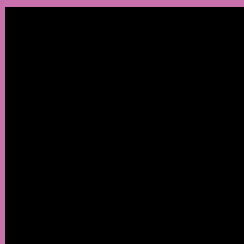
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1709, 27.0682, 42.2953

Background



This preview shows how black text looks on a background with the XYZ color 37.1709, 27.0682, 42.2953.



This preview shows how white text looks on a background with the XYZ color 37.1709, 27.0682,

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

37.1709, 27.0682, 42.2953

Protanopia

27.9414, 27.4447, 53.6939

Deuteranopia

27.7093, 27.1846, 40.3459



Tritanopia

33.3723, 26.8886, 24.5502

Trichromacy



Original Color

37.1709, 27.0682, 42.2953



Protanomaly

30.1997, 26.6054, 49.4426



Deuteranomaly

30.4539, 26.7223, 41.0890



Tritanomaly

34.6152, 26.8715, 30.1504

Monochromacy



Original Color

37.1709, 27.0682, 42.2953



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

30.1674, 27.5237, 34.7330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1709, 27.0682, 42.2953 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(200, 113, 172)` looks like.

```
.text, #text, p{  
    color:rgb(200, 113, 172)  
}
```

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(200, 113, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 113, 172) }
```

Border

The CSS property to change the border of an element to XYZ 37.1709, 27.0682, 42.2953 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(200, 113, 172) }
```


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

```
.border{ border-color:rgb(200, 113, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 113, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 113, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 113, 172);  
box-shadow:4px 4px 4px 4px rgb(200, 113,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1709, 27.0682, 42.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 113, 172) }
```

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

```
.background{ background-color: rgb(200,  
113, 172) }
```

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