

Converting Colors

XYZ(37.0344, 27.3567, 43.6078)

Have a look what the booklet for
XYZ(37.0344, 27.3567, 43.6078)
contains.

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Color

**XYZ(37.0594, 27.3232,
43.3651)**

Conversions

Conversions Part 1

Format	Color
Hex	C673AE
RGB	198, 115, 174
RGB Percent	78%, 45%, 68%
CMY	0.2235, 0.5490, 0.3176
CMYK	0.00, 0.42, 0.12, 0.22
HSL	317°, 42%, 61%
HSV	317°, 42%, 78%
XYZ	37.0594, 27.3232, 43.3651
YIQ	146.5430, 30.5290, 35.9450

Conversions

Conversions Part 2

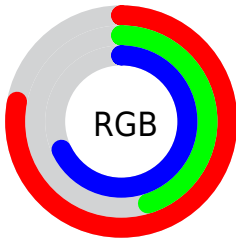
Format	Color
R_{YB}	198, 115, 174
Decimal	13005742
CIE Lab	59.27, 40.83, -17.37
CIE LCh	59, 44.369, 336.954
Yxy	27.3232, 0.3439, 0.2536
Android (android.graphics.Color)	4291195822 (0xFFC673AE)
YUV	146.5430, 13.5363, 45.1278
Hunter-Lab	52.2716, 35.0772, -12.5975

Details

The XYZ color **37.0594, 27.3232, 43.3651** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **31.9257, 45.8979, 31.6045**, and the grayscale version is **27.4826, 28.9139, 31.4872**.

A 20% lighter version of the original color is **69.7109, 55.3491, 81.8722**, and **16.4399, 10.7981, 19.3069** is the 20% darker color. If you saturate the color by 10%, you get **34.4931, 23.0647, 39.8143**, and if you desaturate by 10%, it is **40.1360, 32.5636, 47.2040**.

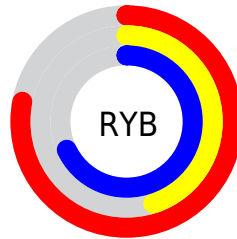
Distribution



Red (78%)

Green (45%)

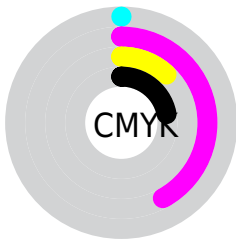
Blue (68%)



Red (78%)

Yellow (45%)

Blue (68%)

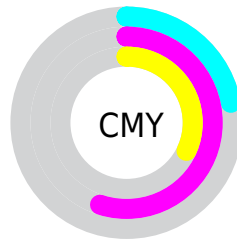


Cyan (0%)

Magenta (42%)

Yellow (12%)

Black (22%)



Cyan (22%)


Magenta (55%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0594, 27.3232, 43.3651 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 37.0594, 27.3232, 43.3651 by changing the saturation by 10% instead.


 37.0594, 27.3232,
43.3651


 37.0594, 27.3232,
43.3651


324.9187,
289.2186, 376.0763


 25.4274, 17.8161,
29.8382


 69.9774, 55.4021,
81.5538

 16.5262, 10.8180,
19.4648


 91.9940, 74.7426,
107.0526

 9.9904, 5.9446,
11.8264


 118.2029, 98.1298,
137.3791

 5.4548, 2.8114,
6.5045

148.9694,
125.9480, 172.9519

 2.5540, 1.0341,
3.0805

184.6589,
158.5815, 214.1895

 0.9226, 0.0000,
1.1359

225.6367,

 0.0000, 0.0000,

196.4149, 261.5104

0.0000

272.2682,
239.8325, 315.3332

■ 37.0594, 27.3232,
43.3651

■ 37.0594, 27.3232,
43.3651

■ 34.4931, 23.0647,
39.8143

■ 40.1360, 32.5636,
47.2040

■ 32.4031, 19.7213,
36.5379

■ 43.7494, 38.8392,
51.3404

■ 30.7548, 17.2244,
33.5232

■ 47.9269, 46.2041,
55.7850

■ 29.5078, 15.4934,
30.7554

■ 52.6933, 54.7076,
60.5476

■ 28.6139, 14.4324,
28.2166

■ 58.0721, 64.3958,
65.6371

■ 28.0776, 13.9214,
26.3071

■ 64.0851, 75.3122,
71.0624

■ 70.7534, 87.4984,
76.8317

■ 71.9414, 88.6829,
80.9010

■ 72.7121, 88.9911,
84.9593

Harmonies

Analogous

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



32.9160, 27.3232, 61.4022



37.0594, 27.3232, 43.3651



38.0464, 27.3232, 26.2067

Triad

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



37.0594, 27.3232, 43.3651



24.7011, 27.3232, 8.5778



18.3524, 27.3232, 52.1227

Complementary

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



37.0594, 27.3232, 43.3651



31.9257, 45.8979, 31.6045

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.



16.7646, 27.3232, 33.5999



37.0594, 27.3232, 43.3651



20.0769, 27.3232, 11.4217

Square

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



37.0594, 27.3232, 43.3651



30.3679, 27.3232, 9.5792



17.3478, 27.3232, 19.3328



22.0184, 27.3232, 67.5879

Rectangle

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



37.0594, 27.3232, 43.3651



36.6715, 27.3232, 17.9519



17.3478, 27.3232, 19.3328



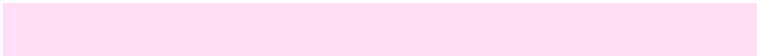
17.5836, 27.3232, 45.8354

Sweetspot

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



37.0602, 27.3245, 43.3657



83.8662, 80.0408, 97.7471



26.8920, 21.7876, 56.2146



17.5834, 16.4820, 20.5376



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.



37.0602, 27.3245, 43.3657



61.5661, 41.6370, 71.2113



33.6529, 25.9615, 25.4231



10.9473, 10.7623, 12.7058



18.2981, 9.0688, 17.3113



0.8967, 0.4415, 0.9791

Inverse Universe

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



37.0602, 27.3245, 43.3657



61.5661, 41.6370, 71.2113



35.5052, 47.3297, 50.4540



10.9473, 10.7623, 12.7058



18.2981, 9.0688, 17.3113



0.8967, 0.4415, 0.9791

Previews

White Background



This preview shows how the XYZ color 37.0594, 27.3232, 43.3651 looks on a white background.

Color Contrast Check

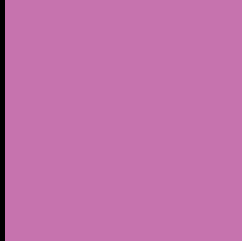
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0594, 27.3232, 43.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

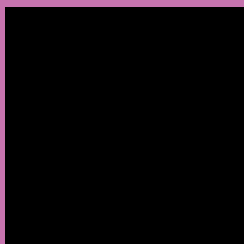
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0594, 27.3232, 43.3651

Background



This preview shows how black text looks on a background with the XYZ color 37.0594, 27.3232, 43.3651.



This preview shows how white text looks on a background with the XYZ color 37.0594, 27.3232,

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

37.0594, 27.3232, 43.3651

Protanopia

28.0526, 27.4892, 54.2795

Deuteranopia

28.1354, 27.5877, 41.8723



Tritanopia

33.3089, 27.1968, 25.6842

Trichromacy



Original Color

37.0594, 27.3232, 43.3651

Protanomaly

30.2511, 26.8200, 50.0367

Deuteranomaly

30.7768, 27.0654, 42.1301

Tritanomaly

34.5674, 27.1732, 31.4400

Monochromacy



Original Color

37.0594, 27.3232, 43.3651

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.4757, 27.8693, 35.6714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0594, 27.3232, 43.3651 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, 115, 174)` looks like.

```
.text, #text, p{  
    color:rgb(198, 115, 174)  
}
```

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, 115, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 115, 174) }
```

Border

The CSS property to change the border of an element to XYZ 37.0594, 27.3232, 43.3651 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, 115, 174) }
```


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

```
.border{ border-color:rgb(198, 115, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 115, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 115, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 115, 174);  
box-shadow:4px 4px 4px 4px rgb(198, 115,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0594, 27.3232, 43.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 115, 174) }
```

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

```
.background{ background-color: rgb(198,  
115, 174) }
```

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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