

Converting Colors

XYZ(37.3300, 27.8381, 44.7018)

Have a look what the booklet for
XYZ(37.3300, 27.8381, 44.7018)
contains.

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Color

**XYZ(37.2237, 27.7275,
44.4643)**

Conversions

Conversions Part 1

Format	Color
Hex	C575B0
RGB	197, 117, 176
RGB Percent	77%, 46%, 69%
CMY	0.2274, 0.5412, 0.3098
CMYK	0.00, 0.41, 0.11, 0.23
HSL	316°, 41%, 62%
HSV	316°, 41%, 77%
XYZ	37.2237, 27.7275, 44.4643
YIQ	147.6460, 28.7410, 35.3090

Conversions

Conversions Part 2

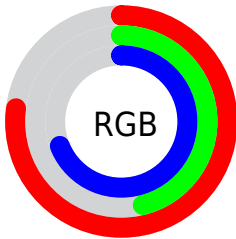
Format	Color
RYB	197, 117, 176
Decimal	12940720
CIELab	59.64, 39.77, -17.96
CIELCh	60, 43.644, 335.693
Yxy	27.7275, 0.3402, 0.2534
Android (android.graphics.Color)	4291130800 (0xFFC575B0)
YUV	147.6460, 13.9785, 43.2835
Hunter-Lab	52.6569, 34.0339, -13.2055

Details

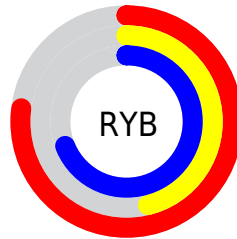
The XYZ color **37.2237, 27.7275, 44.4643** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **31.8910, 45.5502, 31.1579**, and the grayscale version is **27.9371, 29.3920, 32.0079**.

A 20% lighter version of the original color is **70.3684, 56.2120, 83.4851**, and **16.6787, 11.0773, 19.9980** is the 20% darker color. If you saturate the color by 10%, you get **34.6635, 23.4100, 41.1343**, and if you desaturate by 10%, it is **40.2881, 33.0213, 48.0591**.

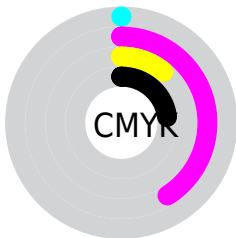
Distribution



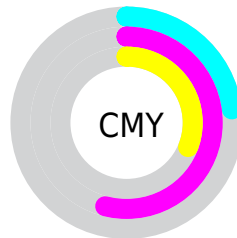
- Red (77%)
- Green (46%)
- Blue (69%)



- Red (77%)
- Yellow (46%)
- Blue (69%)



- Cyan (0%)
- Magenta (41%)
- Yellow (11%)
- Black (23%)



- Cyan (23%)
- Magenta (54%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2237, 27.7275, 44.4643 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 37.2237, 27.7275, 44.4643 by changing the saturation by 10% instead.


 37.2237, 27.7275,
44.4643


 37.2237, 27.7275,
44.4643

325.6167,
291.1625, 380.6963


 25.5552, 18.1203,
30.6958


 70.2283, 56.0491,
83.2259

 16.6221, 11.0364,
20.1108

 92.2951, 75.5323,
109.0560

 10.0591, 6.0913,
12.2907

 118.5588, 99.0763,
139.7438

 5.5007, 2.9007,
6.8171

149.3846,
127.0656, 175.7078

 2.5817, 1.0801,
3.2713

185.1379,
159.8844, 217.3665

 0.9366, 0.0000,
1.2348

226.1842,

 0.0000, 0.0000,

197.9173, 265.1384

0.0074

272.8887,
241.5485, 319.4422

■ 0.0000, 0.0000,
0.0000

■ 37.2237, 27.7275,
44.4643

■ 37.2237, 27.7275,
44.4643

■ 34.6635, 23.4100,
41.1343

■ 40.2881, 33.0213,
48.0591

■ 32.5741, 20.0038,
38.0562

■ 43.8822, 39.3434,
51.9274

■ 30.9222, 17.4420,
35.2179

■ 48.0329, 46.7467,
56.0795

■ 29.6687, 15.6469,
32.6054

■ 52.7644, 55.2794,
60.5244

■ 28.7673, 14.5262,
30.2021

■ 58.0994, 64.9866,
65.2708

■ 28.1590, 13.9236,
28.1068

■ 64.0595, 75.9113,
70.3268

■ 70.6651, 88.0938,
75.7001

■ 71.3591, 88.4196,
79.2061

■ 72.0441, 88.6936,
82.8131

Harmonies

Analogous

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



33.0236, 27.7275, 62.1031



37.2237, 27.7275, 44.4643



38.3502, 27.7275, 27.2826

Triad

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



37.2237, 27.7275, 44.4643



25.3182, 27.7275, 8.9589



18.6595, 27.7275, 51.5519

Complementary

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



37.2237, 27.7275, 44.4643



31.8910, 45.5502, 31.1579

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.



17.1636, 27.7275, 33.2981



37.2237, 27.7275, 44.4643



20.6491, 27.7275, 11.6586

Square

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



37.2237, 27.7275, 44.4643



30.9549, 27.7275, 10.1358



17.8379, 27.7275, 19.3540



22.2334, 27.7275, 67.0942

Rectangle

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



37.2237, 27.7275, 44.4643



37.0877, 27.7275, 18.8642



17.8379, 27.7275, 19.3540



17.9214, 27.7275, 45.3299

Sweetspot

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



37.2246, 27.7288, 44.4649



84.7867, 81.4999, 99.2313



26.7572, 22.0737, 55.6742



17.9288, 17.0524, 21.0244



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.



37.2246, 27.7288, 44.4649



62.4408, 42.5232, 74.1638



33.9037, 26.4004, 26.9773



10.9596, 10.7672, 12.7707



18.5572, 9.1724, 18.6757



0.9073, 0.4457, 1.0348

Inverse Universe

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



37.2246, 27.7288, 44.4649



62.4408, 42.5232, 74.1638



35.2392, 46.8895, 48.7892



10.9596, 10.7672, 12.7707



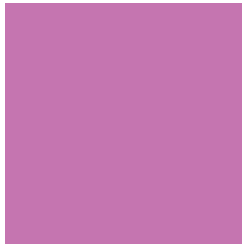
18.5572, 9.1724, 18.6757



0.9073, 0.4457, 1.0348

Previews

White Background



This preview shows how the XYZ color 37.2237, 27.7275, 44.4643 looks on a white background.

Color Contrast Check

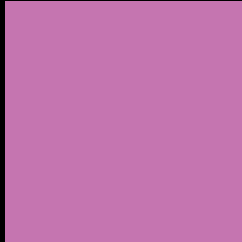
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2237, 27.7275, 44.4643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

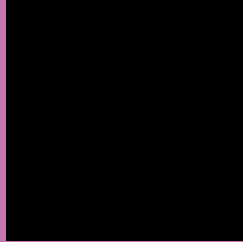
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2237, 27.7275, 44.4643

Background



This preview shows how black text looks on a background with the XYZ color 37.2237, 27.7275, 44.4643.



This preview shows how white text looks on a background with the XYZ color 37.2237, 27.7275,

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

37.2237, 27.7275, 44.4643

Protanopia

28.4639, 27.9082, 54.9255

Deuteranopia

28.4729, 27.9576, 42.9254



Tritanopia

33.4450, 27.6230, 26.4907

Trichromacy



Original Color

37.2237, 27.7275, 44.4643



Protanomaly

30.6836, 27.2329, 50.6530



Deuteranomaly

30.8983, 27.3062, 43.1773



Tritanomaly

34.7127, 27.5904, 32.3501

Monochromacy



Original Color

37.2237, 27.7275, 44.4643



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

30.8431, 28.4669, 36.2168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2237, 27.7275, 44.4643 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(197, 117, 176)` looks like.

```
.text, #text, p{  
    color:rgb(197, 117, 176)  
}
```

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(197, 117, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 117, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.2237, 27.7275, 44.4643 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(197, 117, 176) }
```


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

```
.border{ border-color:rgb(197, 117, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 117, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 117, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 117, 176);  
box-shadow:4px 4px 4px 4px rgb(197, 117,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2237, 27.7275, 44.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 117, 176) }
```

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

```
.background{ background-color: rgb(197,  
117, 176) }
```

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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