

Converting Colors

XYZ(47.2460, 27.2695, 73.3591)

Have a look what the booklet for
XYZ(47.2460, 27.2695, 73.3591)
contains.

XYZ(47.2123, 27.2637, 73.2951)	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(47.2123, 27.2637,
73.2951)**

Conversions

Conversions Part 1

Format	Color
Hex	E052E0
RGB	224, 82, 224
RGB Percent	88%, 32%, 88%
CMY	0.1216, 0.6784, 0.1216
CMYK	0.00, 0.63, 0.00, 0.12
HSL	300°, 70%, 60%
HSV	300°, 63%, 88%
XYZ	47.2123, 27.2637, 73.2951
YIQ	140.6460, 39.0500, 74.2660

Conversions

Conversions Part 2

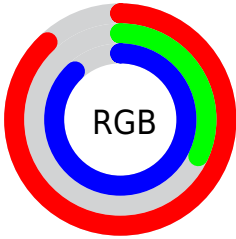
Format	Color
R _{YB}	224, 82, 224
Decimal	14701280
CIE _{Lab}	59.22, 71.77, -45.60
CIE _{LCh}	59, 85.027, 327.572
Yxy	27.2637, 0.3195, 0.1845
Android (android.graphics.Color)	4292891360 (0xFFE052E0)
YUV	140.6460, 41.0935, 73.1015
Hunter-Lab	52.2147, 70.0234, -46.6767

Details

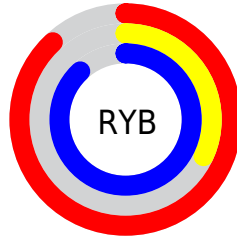
The XYZ color **47.2123, 27.2637, 73.2951** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.6595, 55.7155, 17.0697**, and the grayscale version is **25.0141, 26.3168, 28.6590**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **22.5849, 10.8265, 37.9451** is the 20% darker color. If you saturate the color by 10%, you get **45.7908, 24.4200, 72.8214**, and if you desaturate by 10%, it is **49.1869, 31.2121, 73.9536**.

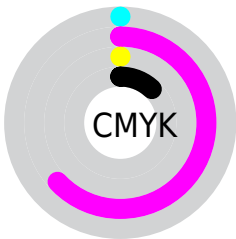
Distribution



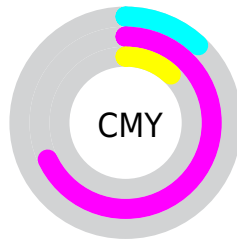
- Red (88%)
- Green (32%)
- Blue (88%)



- Red (88%)
- Yellow (32%)
- Blue (88%)



- Cyan (0%)
- Magenta (63%)
- Yellow (0%)
- Black (12%)



- Cyan (12%)
- Magenta (68%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2123, 27.2637, 73.2951 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 47.2123, 27.2637, 73.2951 by changing the saturation by 10% instead.

47.2123, 27.2637,
73.2951

47.2123, 27.2637,
73.2951

366.2961,
288.9316, 491.1351

33.4122, 17.7714,
53.7240

85.2472, 55.3067,
125.6209

22.6031, 10.7860,
37.9894

110.2128, 74.6262,
159.2126

14.4198, 5.9231,
25.6727

139.6308, 97.9902,
198.3150

8.4969, 2.7984,
16.3554

173.8667,
125.7831, 243.3465

4.4690, 1.0274,
9.6189

213.2858,
158.3893, 294.7257

1.9707, 0.0000,
5.0447

258.2535,

0.6174, 0.0000,

196.1932, 352.8712

2.2143

309.1352,
239.5792, 418.2015

■ 0.0000, 0.0000,
0.6826

■ 0.0000, 0.0000,
0.0000

■ 47.2123, 27.2637,
73.2951

■ 47.2123, 27.2637,
73.2951

■ 45.7908, 24.4200,
72.8214

■ 49.1869, 31.2121,
73.9536

■ 44.8635, 22.5654,
72.5122


■ 51.7600, 36.3583,
74.8114


■ 44.3636, 21.5655,
72.3455


■ 54.9758, 42.7898,
75.8834


■ 44.1955, 21.2293,
72.2894


■ 58.8735, 50.5851,
77.1827

 63.4890, 59.8162,
78.7213

 68.8560, 70.5501,
80.5104

 75.0058, 82.8498,
82.5605

 79.9557, 92.7494,
84.2105

 79.9557, 92.7494,
84.2106

Harmonies

Analogous

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



36.5418, 27.2637, 117.3521



47.2123, 27.2637, 73.2951



52.0862, 27.2637, 32.2289

Triad

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



47.2123, 27.2637, 73.2951



26.7868, 27.2637, 1.2184



11.7167, 27.2637, 65.7424

Complementary

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



47.2123, 27.2637, 73.2951



31.6595, 55.7155, 17.0697

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.



10.4149, 27.2637, 27.2796



47.2123, 27.2637, 73.2951



17.5758, 27.2637, 2.1808

Square

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



47.2123, 27.2637, 73.2951



38.4558, 27.2637, 2.6442



12.2330, 27.2637, 8.0929



16.4459, 27.2637, 111.2747

Rectangle

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



47.2123, 27.2637, 73.2951



50.6144, 27.2637, 15.3169



12.2330, 27.2637, 8.0929



10.9313, 27.2637, 51.0324

Sweetspot

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



47.2133, 27.2649, 73.2957



81.4939, 72.8879, 104.3811



19.9528, 13.2116, 72.0205



17.0746, 14.8640, 22.2190



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.



47.2133, 27.2649, 73.2957



60.9693, 31.8388, 97.5388



39.5088, 24.1831, 32.7242



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0771



1.7831, 0.8565, 2.9166

Inverse Universe

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



47.2133, 27.2649, 73.2957



60.9693, 31.8388, 97.5388



35.8864, 57.4062, 39.3278



14.2951, 13.9357, 17.3241



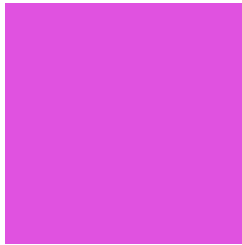
25.7246, 12.3568, 42.0771



1.7831, 0.8565, 2.9166

Previews

White Background



This preview shows how the XYZ color 47.2123, 27.2637, 73.2951 looks on a white background.

Color Contrast Check

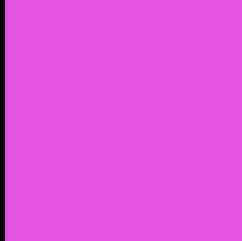
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2123, 27.2637, 73.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

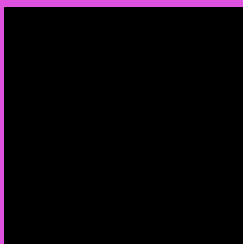
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.2123, 27.2637, 73.2951

Background



This preview shows how black text looks on a background with the XYZ color 47.2123, 27.2637, 73.2951.



This preview shows how white text looks on a background with the XYZ color 47.2123, 27.2637,

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

47.2123, 27.2637, 73.2951

Protanopia

31.2131, 27.7115, 98.3115

Deuteranopia

28.2410, 27.5160, 67.4410



Tritanopia

36.5077, 27.1878, 21.4128

Trichromacy



Original Color

47.2123, 27.2637, 73.2951



Protanomaly

33.1241, 24.8069, 88.6303



Deuteranomaly

32.1339, 25.0742, 69.4758



Tritanomaly

39.2418, 26.5703, 35.4081

Monochromacy



Original Color

47.2123, 27.2637, 73.2951



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

30.8617, 25.0311, 41.7330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2123, 27.2637, 73.2951 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(224, 82, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 82, 224)  
}
```

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(224, 82, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 82, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.2123, 27.2637, 73.2951 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(224, 82, 224) }
```


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

```
.border{ border-color:rgb(224, 82, 224) }
```

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

Here you see how a box with a 4 pixel rgb(224, 82, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 82, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 82, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 82,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2123, 27.2637, 73.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 82, 224) }
```

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

```
.background{ background-color: rgb(224, 82,  
224) }
```

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