

Converting Colors

XYZ(46.6778, 27.1754, 72.2763)

Have a look what the booklet for
XYZ(46.6778, 27.1754, 72.2763)
contains.

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Color

**XYZ(46.8440, 27.2022,
72.5936)**

Conversions

Conversions Part 1

Format	Color
Hex	DF53DF
RGB	223, 83, 223
RGB Percent	87%, 33%, 87%
CMY	0.1255, 0.6745, 0.1255
CMYK	0.00, 0.63, 0.00, 0.13
HSL	300°, 69%, 60%
HSV	300°, 63%, 87%
XYZ	46.8440, 27.2022, 72.5936
YIQ	140.8200, 38.5000, 73.2200

Conversions

Conversions Part 2

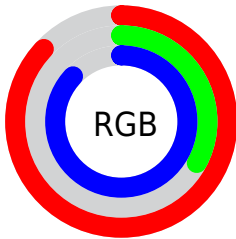
Format	Color
R _{YB}	223, 83, 223
Decimal	14635999
CIE Lab	59.16, 70.98, -45.13
CIE LCh	59, 84.113, 327.550
Yxy	27.2022, 0.3194, 0.1855
Android (android.graphics.Color)	4292826079 (0xFFDF53DF)
YUV	140.8200, 40.5147, 72.0719
Hunter-Lab	52.1557, 69.0484, -46.0145

Details

The XYZ color **46.8440, 27.2022, 72.5936** 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 **31.5176, 55.2402, 17.1864**, and the grayscale version is **25.0842, 26.3905, 28.7393**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **22.3066, 10.7260, 37.4538** is the 20% darker color. If you saturate the color by 10%, you get **45.4043, 24.3222, 72.1138**, and if you desaturate by 10%, it is **48.8341, 31.1817, 73.2573**.

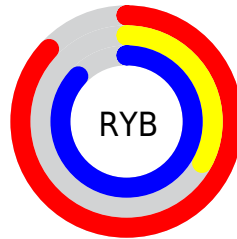
Distribution



Red (87%)

Green (33%)

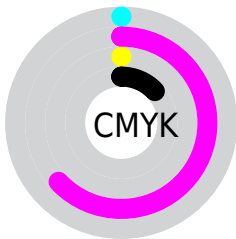
Blue (87%)



Red (87%)

Yellow (33%)

Blue (87%)

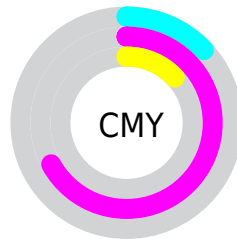


Cyan (0%)

Magenta (63%)

Yellow (0%)

Black (13%)



Cyan (13%)


Magenta (67%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8440, 27.2022, 72.5936 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 46.8440, 27.2022, 72.5936 by changing the saturation by 10% instead.


 46.8440, 27.2022,
72.5936


 46.8440, 27.2022,
72.5936

364.8508,
288.6348, 488.6380


 33.1198, 17.7251,
53.1539


 84.7009, 55.2082,
124.6157

 22.3779, 10.7528,
37.5371


 109.5642, 74.5059,
158.0351

 14.2530, 5.9009,
25.3246


 138.8714, 97.8459,
196.9516

 8.3797, 2.7849,
16.0978

 172.9876,
125.6126, 241.7836

 4.3927, 1.0205,
9.4383

212.2783,
158.1905, 292.9497

 1.9266, 0.0000,
4.9275

257.1088,

 0.5922, 0.0000,

195.9639, 350.8685

2.1468

307.8446,
239.3172, 415.9584

■ 0.0000, 0.0000,
0.6434

■ 0.0000, 0.0000,
0.0000

■ 46.8440, 27.2022,
72.5936

■ 46.8440, 27.2022,
72.5936

■ 45.4043, 24.3222,
72.1138

■ 48.8341, 31.1817,
73.2573

■ 44.4574, 22.4283,
71.7980

■ 51.4193, 36.3519,
74.1192

■ 43.9381, 21.3897,
71.6248

■ 54.6428, 42.7989,
75.1938

■ 43.7512, 21.0159,
71.5624

■ 58.5433, 50.5999,
76.4941

63.1562, 59.8257,
78.0319

68.5146, 70.5424,
79.8181

74.6494, 82.8119,
81.8632

79.5115, 92.5361,
83.4840

79.5115, 92.5361,
83.4841

Harmonies

Analogous

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



36.3326, 27.2022, 115.8254



46.8440, 27.2022, 72.5936



51.6451, 27.2022, 32.1530

Triad

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



46.8440, 27.2022, 72.5936



26.7253, 27.2022, 1.2864



11.7948, 27.2022, 65.1044

Complementary

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



46.8440, 27.2022, 72.5936



31.5176, 55.2402, 17.1864

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.



10.5027, 27.2022, 27.2209



46.8440, 27.2022, 72.5936



17.6142, 27.2022, 2.2660

Square

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



46.8440, 27.2022, 72.5936



38.2356, 27.2022, 2.7400



12.3123, 27.2022, 8.1990



16.4848, 27.2022, 109.8130

Rectangle

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



46.8440, 27.2022, 72.5936



50.2012, 27.2022, 15.4092



12.3123, 27.2022, 8.1990



11.0149, 27.2022, 50.6356

Sweetspot

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



46.8450, 27.2034, 72.5942



81.4939, 72.8879, 104.3810



19.9811, 13.3545, 71.3378



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.



46.8450, 27.2034, 72.5942



61.1091, 32.1186, 97.5851



39.2758, 24.1757, 32.7350



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0769



1.7831, 0.8565, 2.9165

Inverse Universe

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



46.8450, 27.2034, 72.5942



61.1091, 32.1186, 97.5851



35.7060, 56.9156, 39.2426



14.2951, 13.9357, 17.3241



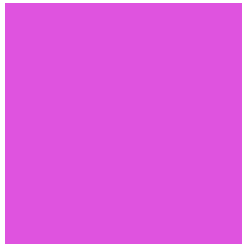
25.7246, 12.3568, 42.0769



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 46.8440, 27.2022, 72.5936 looks on a white background.

Color Contrast Check

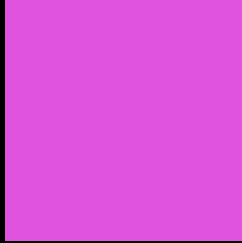
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8440, 27.2022, 72.5936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

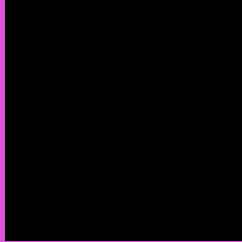
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.8440, 27.2022, 72.5936

Background



This preview shows how black text looks on a background with the XYZ color 46.8440, 27.2022, 72.5936.

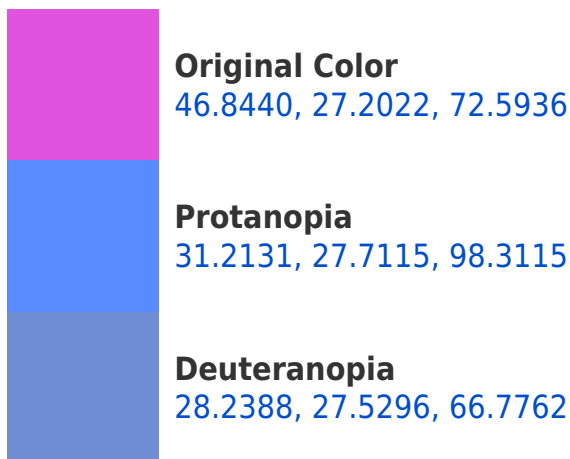


This preview shows how white text looks on a background with the XYZ color 46.8440, 27.2022,

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





Tritanopia

36.2203, 27.0396, 21.3993

Trichromacy



Original Color

46.8440, 27.2022, 72.5936



Protanomaly

32.9278, 24.8990, 87.8645



Deuteranomaly

32.3107, 25.3599, 68.8376



Tritanomaly

38.9473, 26.4184, 35.3943

Monochromacy



Original Color

46.8440, 27.2022, 72.5936



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 46.8440, 27.2022, 72.5936 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(223, 83, 223)` looks like.

```
.text, #text, p{  
    color:rgb(223, 83, 223)  
}
```

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(223, 83, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 83, 223) }
```

Border

The CSS property to change the border of an element to XYZ 46.8440, 27.2022, 72.5936 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(223, 83, 223) }
```


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

```
.border{ border-color:rgb(223, 83, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 83, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 83, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 83, 223);  
box-shadow:4px 4px 4px 4px rgb(223, 83,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8440, 27.2022, 72.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 83, 223) }
```

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

```
.background{ background-color: rgb(223, 83,  
223) }
```

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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