

Converting Colors

XYZ(27.6136, 13.3179, 42.7431)

Have a look what the booklet for
XYZ(27.6136, 13.3179, 42.7431)
contains.

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Color

**XYZ(27.7030, 13.3647,
42.7145)**

Conversions

Conversions Part 1

Format	Color
Hex	B800B1
RGB	184, 0, 177
RGB Percent	72%, 0%, 69%
CMY	0.2784, 0.9999, 0.3059
CMYK	0.00, 1.00, 0.04, 0.28
HSL	302°, 100%, 36%
HSV	302°, 100%, 72%
XYZ	27.7030, 13.3647, 42.7145
YIQ	75.1940, 52.8470, 94.0550

Conversions

Conversions Part 2

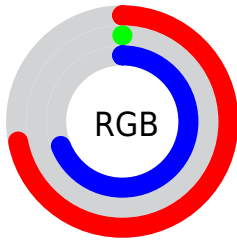
Format	Color
RYB	184, 0, 177
Decimal	12058801
CIELab	43.31, 75.88, -44.15
CIELCh	43, 87.788, 329.803
Yxy	13.3647, 0.3307, 0.1595
Android (android.graphics.Color)	4290248881 (0xFFB800B1)
YUV	75.1940, 50.1904, 95.4229
Hunter-Lab	36.5578, 71.2889, -43.6847

Details

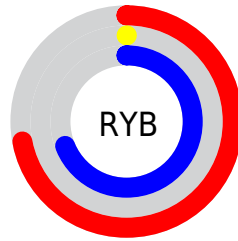
The XYZ color **27.7030, 13.3647, 42.7145** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.1795, 34.2970, 5.9162**, and the grayscale version is **6.6310, 6.9763, 7.5972**.

A 20% lighter version of the original color is **55.4244, 31.9327, 80.3332**, and **12.2423, 5.8909, 19.5606** is the 20% darker color. If you saturate the color by 10%, you get **27.7032, 13.3648, 42.7142**, and if you desaturate by 10%, it is **27.9965, 13.8393, 43.1576**.

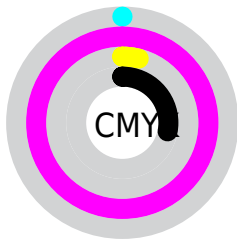
Distribution



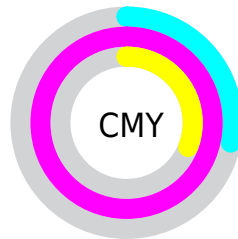
- Red (72%)
- Green (0%)
- Blue (69%)



- Red (72%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7030, 13.3647, 42.7145 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 27.7030, 13.3647, 42.7145 by changing the saturation by 10% instead.

 27.7030, 13.3647,
42.7145

 27.7030, 13.3647,
42.7145


283.1509,
213.2419, 373.3230


 18.2412, 7.6802,
29.3314


 55.4219, 31.9574,
80.5616


 11.2240, 3.8910,
19.0840


 74.4097, 45.6344,
105.8627


 6.2861, 1.6128,
11.5535


 97.3035, 62.7444,
135.9735

 3.0621, 0.3662,
6.3216

 124.4688, 83.6716,
171.3127

 1.1867, 0.0000,
2.9697

 156.2708,
108.8006, 212.2986

 0.0958, 0.0000,
1.0792

 193.0749,

 0.0000, 0.0000,

138.5158, 259.3500

0.0000

235.2465,
173.2014, 312.8853

■ 27.7030, 13.3647,
42.7145

■ 27.7030, 13.3647,
42.7145

■ 27.7032, 13.3648,
42.7142

■ 27.9965, 13.8393,
43.1576

■ 28.4997, 14.7332,
43.6724

■ 29.2912, 16.2030,
44.2850

■ 30.4091, 18.3252,
45.0082

■ 31.8861, 21.1647,
45.8528

■ 33.7504, 24.7786,
46.8284

■ 36.0279, 29.2181,
47.9434

■ 38.7419, 34.5302,
49.2058

■ 41.9142, 40.7582,
50.6226

Harmonies

Analogous

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



20.3805, 13.3647, 77.3186



27.7030, 13.3647, 42.7145



30.7979, 13.3647, 14.6809

Triad

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



27.7030, 13.3647, 42.7145



12.7477, 13.3647, 0.0000



4.3947, 13.3647, 42.2595

Complementary

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



27.7030, 13.3647, 42.7145



17.1795, 34.2970, 5.9162

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.



3.5957, 13.3647, 14.4237



27.7030, 13.3647, 42.7145



7.2453, 13.3647, 0.0000

Square

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



27.7030, 13.3647, 42.7145



20.4873, 13.3647, 0.0000



4.4169, 13.3647, 2.6693



7.1920, 13.3647, 76.9277

Rectangle

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



27.7030, 13.3647, 42.7145



29.4222, 13.3647, 5.1893



4.4169, 13.3647, 2.6693



3.9398, 13.3647, 31.3011

Sweetspot

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



27.7035, 13.3653, 42.7148



65.0781, 52.5129, 86.7989



8.7292, 3.5010, 45.5637



13.6406, 10.5617, 18.5242



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.7035, 13.3653, 42.7148



50.1978, 24.2185, 77.3187



21.4426, 10.8610, 9.7450



9.3658, 9.1567, 11.2736



19.0987, 9.2132, 29.4703



0.6779, 0.3266, 1.0632

Inverse Universe

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



27.7035, 13.3653, 42.7148



50.1978, 24.2185, 77.3187



19.3525, 35.1662, 17.3590



9.3658, 9.1567, 11.2736



19.0987, 9.2132, 29.4703



0.6779, 0.3266, 1.0632

Previews

White Background



This preview shows how the XYZ color 27.7030, 13.3647, 42.7145 looks on a white background.

Color Contrast Check

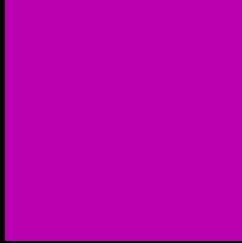
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.7030, 13.3647, 42.7145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

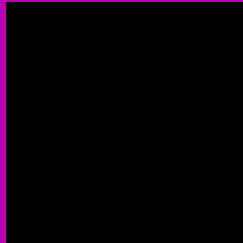
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7030, 13.3647, 42.7145

Background



This preview shows how black text looks on a background with the XYZ color 27.7030, 13.3647, 42.7145.



This preview shows how white text looks on a background with the XYZ color 27.7030, 13.3647,

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

27.7030, 13.3647, 42.7145

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.4603, 14.1584, 38.0471



Tritanopia

20.6598, 13.7590, 8.0454

Trichromacy



Original Color

27.7030, 13.3647, 42.7145



Protanomaly

14.6908, 9.0771, 56.2361



Deuteranomaly

15.8184, 10.2961, 39.1838



Tritanomaly

21.9391, 12.3716, 16.2706

Monochromacy



Original Color

27.7030, 13.3647, 42.7145



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.0518, 6.9286, 16.0841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7030, 13.3647, 42.7145 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(184, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 177)  
}
```

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(184, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 177) }
```

Border

The CSS property to change the border of an element to XYZ 27.7030, 13.3647, 42.7145 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(184, 0, 177) }
```


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

```
.border{ border-color:rgb(184, 0, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7030, 13.3647, 42.7145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 177) }
```

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

```
.background{ background-color: rgb(184, 0,  
177) }
```

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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