

Converting Colors

XYZ(27.5191, 13.0751, 52.8210)

Have a look what the booklet for
XYZ(27.5191, 13.0751, 52.8210)
contains.

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Color

**XYZ(27.5512, 13.0975,
52.7057)**

Conversions

Conversions Part 1

Format	Color
Hex	AF02C3
RGB	175, 2, 195
RGB Percent	69%, 1%, 76%
CMY	0.3137, 0.9921, 0.2353
CMYK	0.10, 0.99, 0.00, 0.24
HSL	294°, 98%, 39%
HSV	294°, 99%, 76%
XYZ	27.5512, 13.0975, 52.7057
YIQ	75.7290, 41.1550, 96.6990

Conversions

Conversions Part 2

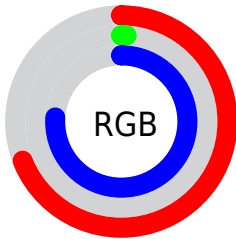
Format	Color
RYB	175, 2, 195
Decimal	11469507
CIELab	42.91, 76.98, -55.47
CIELCh	43, 94.884, 324.228
Yxy	13.0975, 0.2951, 0.1403
Android (android.graphics.Color)	4289659587 (0xFFAF02C3)
YUV	75.7290, 58.8006, 87.0607
Hunter-Lab	36.1905, 72.5558, -61.0132

Details

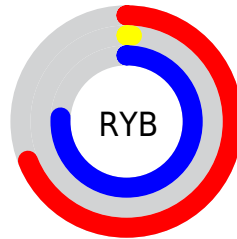
The XYZ color **27.5512, 13.0975, 52.7057** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **19.8574, 39.2055, 6.5787**, and the grayscale version is **6.7131, 7.0627, 7.6913**.

A 20% lighter version of the original color is **55.2398, 31.5068, 95.2654**, and **12.0697, 5.6754, 25.2702** is the 20% darker color. If you saturate the color by 10%, you get **27.4830, 13.0301, 52.6965**, and if you desaturate by 10%, it is **28.2647, 13.8454, 52.8127**.

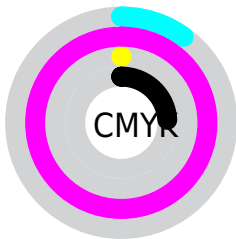
Distribution



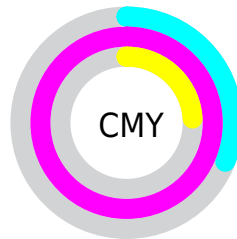
- Red (69%)
- Green (1%)
- Blue (76%)



- Red (69%)
- Yellow (1%)
- Blue (76%)



- Cyan (10%)
- Magenta (99%)
- Yellow (0%)
- Black (24%)





- Cyan (31%)
- Magenta (99%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5512, 13.0975, 52.7057 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 27.5512, 13.0975, 52.7057 by changing the saturation by 10% instead.


 27.5512, 13.0975,
52.7057


 27.5512, 13.0975,
52.7057


282.4353,
211.5416, 414.1892


 18.1263, 7.4957,
37.1818


 55.1808, 31.4788,
95.6083


 11.1410, 3.7740,
25.0514


 74.1162, 45.0272,
123.8241

 6.2297, 1.5480,
15.8960


 96.9526, 61.9932,
157.1076

 3.0273, 0.3221,
9.2970

 124.0551, 82.7612,
195.8773

 1.1682, 0.0000,
4.8360

 155.7894,
107.7157, 240.5517

 0.0810, 0.0000,
2.0943

 192.5205,

 0.0000, 0.0000,

137.2409, 291.5495

0.6124

234.6141,
171.7215, 349.2892

■ 0.0000, 0.0000,
0.0000

■ 27.5512, 13.0975,
52.7057

■ 27.5512, 13.0975,
52.7057

■ 27.4830, 13.0301,
52.6965

■ 28.2647, 13.8454,
52.8127

■ 29.2443, 15.1160,
53.0063

■ 30.5645, 17.0578,
53.3115

■ 32.2689, 19.7576,
53.7428

■ 34.3944, 23.2895,
54.3125

■ 36.9736, 27.7186,
55.0314

■ 40.0360, 33.1035,
55.9094

■ 43.6082, 39.4979,
56.9554

■ 47.7153, 46.9514,
58.1776

Harmonies

Analogous

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



19.0986, 13.0975, 90.5747



27.5512, 13.0975, 52.7057



32.1352, 13.0975, 18.6702

Triad

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



27.5512, 13.0975, 52.7057



13.9058, 13.0975, 0.0000



3.5666, 13.0975, 37.7530

Complementary

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



27.5512, 13.0975, 52.7057



19.8574, 39.2055, 6.5787

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.



3.0865, 13.0975, 10.6071



27.5512, 13.0975, 52.7057



7.5553, 13.0975, 0.0000

Square

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



27.5512, 13.0975, 52.7057



22.5184, 13.0975, 0.0000



4.2120, 13.0975, 1.3336



5.9431, 13.0975, 77.4763

Rectangle

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



27.5512, 13.0975, 52.7057



31.4675, 13.0975, 6.5207



4.2120, 13.0975, 1.3336



3.2296, 13.0975, 26.5119

Sweetspot

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



27.5518, 13.0981, 52.7060



70.8253, 57.7295, 99.8798



10.2133, 4.6286, 51.9850



14.9824, 11.7119, 21.7209



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.



27.5518, 13.0981, 52.7060



49.0968, 23.2723, 94.3741



25.9803, 13.0270, 19.2418



10.3911, 10.1928, 12.7046



17.9041, 8.4903, 34.2518



0.8037, 0.3824, 1.4813

Inverse Universe

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



22.6726, 11.7039, 1.8240



40.4963, 20.8549, 2.8778



20.8447, 39.5651, 13.3746



10.1147, 10.0945, 10.6944



14.7259, 7.5801, 1.2030



0.6508, 0.3333, 0.1287

Previews

White Background



This preview shows how the XYZ color 27.5512, 13.0975, 52.7057 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

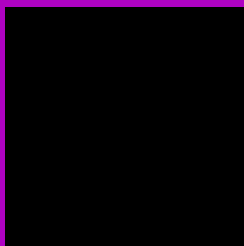
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.5512, 13.0975, 52.7057

Background



This preview shows how black text looks on a background with the XYZ color 27.5512, 13.0975, 52.7057.



This preview shows how white text looks on a background with the XYZ color 27.5512, 13.0975,

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

27.5512, 13.0975, 52.7057

Protanopia

16.3150, 13.8175, 63.4352

Deuteranopia

14.1055, 13.7833, 46.7167



Tritanopia

18.8054, 13.3551, 9.5693

Trichromacy



Original Color

27.5512, 13.0975, 52.7057



Protanomaly

14.9672, 9.1646, 58.7377



Deuteranomaly

14.5164, 9.5159, 48.0854



Tritanomaly

20.3993, 11.7337, 19.9286

Monochromacy



Original Color

27.5512, 13.0975, 52.7057



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.1102, 6.9733, 18.2132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5512, 13.0975, 52.7057 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(175, 2, 195)` looks like.

```
.text, #text, p{  
    color:rgb(175, 2, 195)  
}
```

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(175, 2, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 2, 195) }
```

Border

The CSS property to change the border of an element to XYZ 27.5512, 13.0975, 52.7057 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(175, 2, 195) }
```


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

```
.border{ border-color:rgb(175, 2, 195) }
```

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

Here you see how a box with a 4 pixel rgb(175, 2, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 2, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 2, 195);  
box-shadow:4px 4px 4px 4px rgb(175, 2,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5512, 13.0975, 52.7057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 2, 195) }
```

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

```
.background{ background-color: rgb(175, 2,  
195) }
```

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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