

Converting Colors

XYZ(27.9980, 13.5426, 41.5593)

Have a look what the booklet for
XYZ(27.9980, 13.5426, 41.5593)
contains.

XYZ(27.9876, 13.5342, 41.6947)	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>	30

Color

**XYZ(27.9876, 13.5342,
41.6947)**

Conversions

Conversions Part 1

Format	Color
Hex	BA00AF
RGB	186, 0, 175
RGB Percent	73%, 0%, 69%
CMY	0.2706, 0.9999, 0.3137
CMYK	0.00, 1.00, 0.06, 0.27
HSL	304°, 100%, 36%
HSV	304°, 100%, 73%
XYZ	27.9876, 13.5342, 41.6947
YIQ	75.5640, 54.6810, 93.8570

Conversions

Conversions Part 2

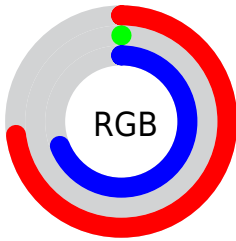
Format	Color
R_{YB}	186, 0, 175
Decimal	12189871
CIE _{Lab}	43.56, 75.93, -42.55
CIE _{LCh}	44, 87.040, 330.735
Yxy	13.5342, 0.3363, 0.1626
Android (android.graphics.Color)	4290379951 (0xFFBA00AF)
YUV	75.5640, 49.0219, 96.8524
Hunter-Lab	36.7889, 71.4157, -41.4442

Details

The XYZ color **27.9876, 13.5342, 41.6947** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.6200, 35.1427, 6.1718**, and the grayscale version is **6.6989, 7.0478, 7.6750**.

A 20% lighter version of the original color is **55.9196, 32.3418, 78.8966**, and **12.4149, 5.9943, 18.9150** is the 20% darker color. If you saturate the color by 10%, you get **27.9878, 13.5344, 41.6943**, and if you desaturate by 10%, it is **28.3229, 14.0308, 42.3419**.

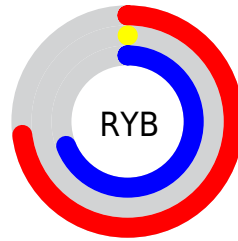
Distribution



Red (73%)

Green (0%)

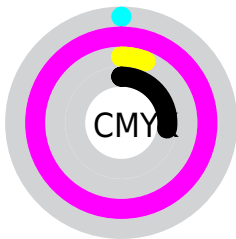
Blue (69%)



Red (73%)

Yellow (0%)

Blue (69%)

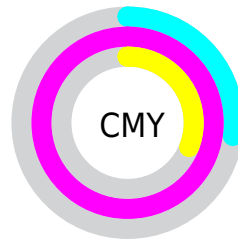


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (27%)



Cyan (27%)

Magenta (100%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9876, 13.5342, 41.6947 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 27.9876, 13.5342, 41.6947 by changing the saturation by 10% instead.

■ 27.9876, 13.5342,
41.6947

■ 27.9876, 13.5342,
41.6947

284.4888,
214.3135, 368.9780

■ 18.4567, 7.7974,
28.5385

■ 55.8734, 32.2602,
79.0025

■ 11.3801, 3.9656,
18.4894

■ 74.9591, 46.0182,
103.9911

■ 6.3922, 1.6543,
11.1289

■ 97.9604, 63.2188,
133.7610

■ 3.1279, 0.3938,
6.0383

■ 125.2427, 84.2463,
168.7307

■ 1.2218, 0.0000,
2.7992

■ 157.1713,
109.4851, 209.3187

■ 0.1235, 0.0000,
0.9931

■ 194.1116,

■ 0.0000, 0.0000,

139.3197, 255.9436

0.0000

236.4290,
174.1343, 309.0238

■ 27.9876, 13.5342,
41.6947

■ 27.9876, 13.5342,
41.6947

■ 27.9878, 13.5344,
41.6943

■ 28.3229, 14.0308,
42.3419

■ 28.8743, 14.9585,
43.0654

■ 29.7216, 16.4767,
43.8919

■ 30.9043, 18.6641,
44.8346

■ 32.4556, 21.5873,
45.9045

■ 34.4048, 25.3050,
47.1114

■ 36.7783, 29.8698,
48.4642

■ 39.6001, 35.3299,
49.9709

■ 42.8926, 41.7298,
51.6388

Harmonies

Analogous

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



20.7767, 13.5342, 76.1134



27.9876, 13.5342, 41.6947



30.8844, 13.5342, 14.2610

Triad

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



27.9876, 13.5342, 41.6947



12.6968, 13.5342, 0.0000



4.5763, 13.5342, 43.3823

Complementary

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



27.9876, 13.5342, 41.6947



17.6200, 35.1427, 6.1718

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.



3.7147, 13.5342, 15.2223



27.9876, 13.5342, 41.6947



7.2685, 13.5342, 0.0199

Square

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



27.9876, 13.5342, 41.6947



20.3791, 13.5342, 0.0000



4.4926, 13.5342, 2.9598



7.4690, 13.5342, 77.5586

Rectangle

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



27.9876, 13.5342, 41.6947



29.3915, 13.5342, 5.0524



4.4926, 13.5342, 2.9598



4.0969, 13.5342, 32.3836

Sweetspot

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



27.9881, 13.5349, 41.6950



66.4244, 53.6821, 87.7121



8.9799, 3.6058, 46.6778



14.2088, 11.0145, 19.0808



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.9881, 13.5349, 41.6950



50.6964, 24.5185, 75.4016



21.8392, 11.0753, 9.3151



9.3574, 9.1533, 11.2293



18.8389, 9.1093, 28.1021



0.6711, 0.3239, 1.0275

Inverse Universe

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



27.9881, 13.5349, 41.6950



50.6964, 24.5185, 75.4016



19.9731, 36.0840, 18.5632



9.3574, 9.1533, 11.2293



18.8389, 9.1093, 28.1021



0.6711, 0.3239, 1.0275

Previews

White Background



This preview shows how the XYZ color 27.9876, 13.5342, 41.6947 looks on a white background.

Color Contrast Check

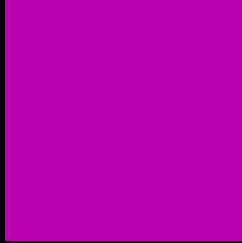
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9876, 13.5342, 41.6947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

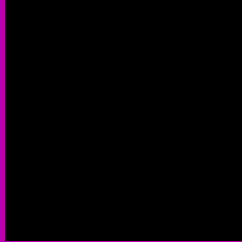
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9876, 13.5342, 41.6947

Background



This preview shows how black text looks on a background with the XYZ color 27.9876, 13.5342, 41.6947.



This preview shows how white text looks on a background with the XYZ color 27.9876, 13.5342,

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

27.9876, 13.5342, 41.6947

Deuteranopia

14.5765, 14.2393, 37.1022

Tritanopia

21.2352, 13.9674, 7.8801

Trichromacy



Original Color

27.9876, 13.5342, 41.6947

Deuteranomaly

16.1453, 10.4863, 38.2189

Tritanomaly

22.5375, 12.6305, 16.0019

Monochromacy



Original Color

27.9876, 13.5342, 41.6947

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.1840, 6.9968, 16.0903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9876, 13.5342, 41.6947 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(186, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 175)  
}
```

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(186, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 175) }
```

Border

The CSS property to change the border of an element to XYZ 27.9876, 13.5342, 41.6947 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(186, 0, 175) }
```

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

```
.border{ border-color:rgb(186, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
175) }
```


Background

The CSS property to change the background color of an element to XYZ 27.9876, 13.5342, 41.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 175) }
```

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

```
.background{ background-color: rgb(186, 0,  
175) }
```

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