

Converting Colors

XYZ(27.0555, 13.1656, 36.5961)

Have a look what the booklet for
XYZ(27.0555, 13.1656, 36.5961)
contains.

XYZ(27.0412, 13.1557, 36.7114)	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(27.0412, 13.1557,
36.7114)**

Conversions

Conversions Part 1

Format	Color
Hex	BA00A5
RGB	186, 0, 165
RGB Percent	73%, 0%, 65%
CMY	0.2706, 0.9999, 0.3529
CMYK	0.00, 1.00, 0.11, 0.27
HSL	307°, 100%, 36%
HSV	307°, 100%, 73%
XYZ	27.0412, 13.1557, 36.7114
YIQ	74.4240, 57.8910, 90.7470

Conversions

Conversions Part 2

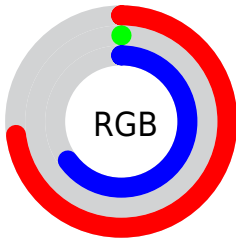
Format	Color
RYB	186, 0, 165
Decimal	12189861
CIELab	43.00, 74.55, -37.48
CIELCh	43, 83.446, 333.309
Yxy	13.1557, 0.3516, 0.1711
Android (android.graphics.Color)	4290379941 (0xFFBA00A5)
YUV	74.4240, 44.6540, 97.8522
Hunter-Lab	36.2708, 69.6044, -34.6207

Details

The XYZ color **27.0412, 13.1557, 36.7114** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.6950, 35.1725, 6.5671**, and the grayscale version is **6.5027, 6.8413, 7.4502**.

A 20% lighter version of the original color is **54.4654, 31.6297, 71.6411**, and **11.8267, 5.7590, 15.8175** is the 20% darker color. If you saturate the color by 10%, you get **27.0412, 13.1557, 36.7102**, and if you desaturate by 10%, it is **27.4608, 13.6861, 37.8024**.

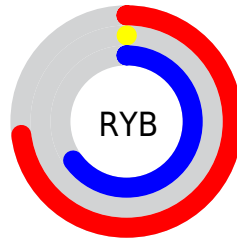
Distribution



Red (73%)

Green (0%)

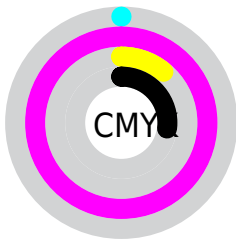
Blue (65%)



Red (73%)

Yellow (0%)

Blue (65%)

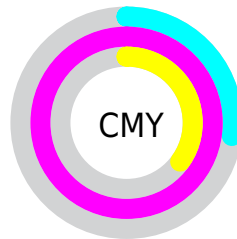


Cyan (0%)

Magenta (100%)

Yellow (11%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0412, 13.1557, 36.7114 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 27.0412, 13.1557, 36.7114 by changing the saturation by 10% instead.

 27.0412, 13.1557,
36.7114


 27.0412, 13.1557,
36.7114

280.0205,
211.9131, 347.1903


 17.7409, 7.5359,
24.6901


 54.3694, 31.5832,
71.3101


 10.8627, 3.7994,
15.6294


 73.1280, 45.1597,
94.7245


 6.0412, 1.5620,
9.1108


 95.7701, 62.1571,
122.7737

 2.9110, 0.3318,
4.7157

 122.6611, 82.9600,
155.8762

 1.1069, 0.0000,
2.0256

 154.1662,
107.9526, 194.4506

 0.0309, 0.0000,
0.5710

 190.6509,

 0.0000, 0.0000,

137.5194, 238.9154

0.0000

232.4806,
172.0448, 289.6891

■ 27.0412, 13.1557,
36.7114

■ 27.0412, 13.1557,
36.7114

■ 27.0412, 13.1557,
36.7102

■ 27.4608, 13.6861,
37.8024

■ 28.0988, 14.6485,
38.9816

■ 29.0350, 16.2024,
40.2759

■ 30.3089, 18.4265,
41.6984

■ 31.9537, 21.3873,
43.2604

■ 33.9988, 25.1435,
44.9716

■ 36.4705, 29.7477,
46.8410

■ 39.3929, 35.2482,
48.8766

■ 42.7883, 41.6895,
51.0859

Harmonies

Analogous

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



20.5551, 13.1557, 68.6014



27.0412, 13.1557, 36.7114



29.2584, 13.1557, 12.3845

Triad

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



27.0412, 13.1557, 36.7114



11.8070, 13.1557, 0.0000



4.7801, 13.1557, 43.7147

Complementary

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



27.0412, 13.1557, 36.7114



17.6950, 35.1725, 6.5671

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.



3.8014, 13.1557, 16.4568



27.0412, 13.1557, 36.7114



6.8893, 13.1557, 0.3073

Square

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



27.0412, 13.1557, 36.7114



18.8883, 13.1557, 0.0000



4.4156, 13.1557, 3.6075



7.7498, 13.1557, 74.5463

Rectangle

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



27.0412, 13.1557, 36.7114



27.5580, 13.1557, 4.4132



4.4156, 13.1557, 3.6075



4.2639, 13.1557, 33.2914

Sweetspot

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



27.0417, 13.1564, 36.7116



65.8565, 53.4549, 84.7215



9.1245, 3.6804, 46.6842



14.0670, 10.9578, 18.3344



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.



27.0417, 13.1564, 36.7116



48.9561, 23.8224, 66.2373



21.5002, 10.9398, 7.5306



9.3361, 9.1448, 11.1172



18.2098, 8.8577, 24.7891



0.6545, 0.3173, 0.9398

Inverse Universe

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



27.0417, 13.1564, 36.7116



48.9561, 23.8224, 66.2373



20.4623, 36.2794, 21.1399



9.3361, 9.1448, 11.1172



18.2098, 8.8577, 24.7891



0.6545, 0.3173, 0.9398

Previews

White Background



This preview shows how the XYZ color 27.0412, 13.1557, 36.7114 looks on a white background.

Color Contrast Check

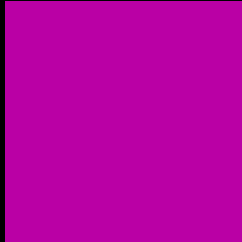
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0412, 13.1557, 36.7114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

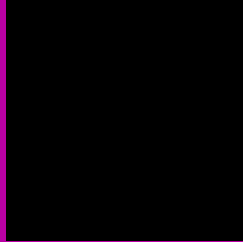
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0412, 13.1557, 36.7114

Background



This preview shows how black text looks on a background with the XYZ color 27.0412, 13.1557, 36.7114.



This preview shows how white text looks on a background with the XYZ color 27.0412, 13.1557,

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

27.0412, 13.1557, 36.7114

Protanopia

16.5674, 13.9184, 64.7641

Deuteranopia

14.1600, 13.8164, 32.9309



Tritanopia

21.0959, 13.5574, 7.1352

Trichromacy



Original Color

27.0412, 13.1557, 36.7114



Protanomaly

14.1811, 8.8813, 53.1914



Deuteranomaly

15.8140, 10.3216, 33.9597



Tritanomaly

22.1140, 12.2887, 14.3031

Monochromacy



Original Color

27.0412, 13.1557, 36.7114



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.7406, 6.7394, 14.6447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0412, 13.1557, 36.7114 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 27.0412, 13.1557, 36.7114 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, 165) }
```


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

```
.border{ border-color:rgb(186, 0, 165) }
```

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, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0412, 13.1557, 36.7114 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, 165) }
```

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

```
.background{ background-color: rgb(186, 0,  
165) }
```

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