

Converting Colors

XYZ(27.2287, 12.5939, 66.4710)

Have a look what the booklet for
XYZ(27.2287, 12.5939, 66.4710)
contains.

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Color

**XYZ(27.2223, 12.5868,
66.6404)**

Conversions

Conversions Part 1

Format	Color
Hex	A100D9
RGB	161, 0, 217
RGB Percent	63%, 0%, 85%
CMY	0.3686, 1.0000, 0.1490
CMYK	0.26, 1.00, 0.00, 0.15
HSL	285°, 100%, 43%
HSV	285°, 100%, 85%
XYZ	27.2223, 12.5868, 66.6404
YIQ	72.8770, 26.2990, 101.6190

Conversions

Conversions Part 2

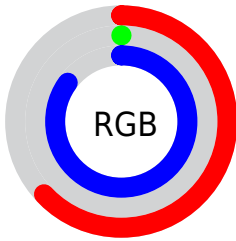
Format	Color
RYB	161, 0, 217
Decimal	10551513
CIELab	42.13, 79.01, -69.58
CIELCh	42, 105.275, 318.631
Yxy	12.5868, 0.2557, 0.1182
Android (android.graphics.Color)	4288741593 (0xFFA100D9)
YUV	72.8770, 71.0526, 77.2839
Hunter-Lab	35.4779, 74.8774, -86.5337

Details

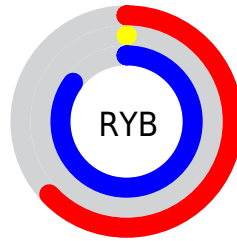
The XYZ color **27.2223, 12.5868, 66.6404** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **26.4442, 50.4668, 8.3475**, and the grayscale version is **6.1896, 6.5120, 7.0916**.

A 20% lighter version of the original color is **51.1173, 29.0892, 97.5283**, and **11.9125, 5.3980, 34.1323** is the 20% darker color. If you saturate the color by 10%, you get **27.2225, 12.5869, 66.6407**, and if you desaturate by 10%, it is **28.6583, 13.7447, 66.7885**.

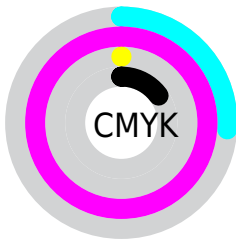
Distribution



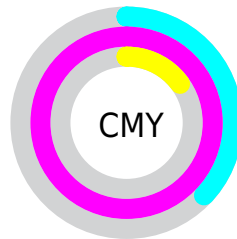
- Red (63%)
- Green (0%)
- Blue (85%)



- Red (63%)
- Yellow (0%)
- Blue (85%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (37%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2223, 12.5868, 66.6404 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 27.2223, 12.5868, 66.6404 by changing the saturation by 10% instead.

 27.2223, 12.5868,
66.6404

 27.2223, 12.5868,
66.6404


280.8798,
208.2523, 467.1303


 17.8777, 7.1446,
48.3327


 54.6578, 30.5594,
116.0407

 10.9614, 3.5527,
33.7286


 73.4793, 43.8587,
147.9704

 6.1080, 1.4267,
22.4095


 96.1906, 60.5458,
185.2779

 2.9521, 0.2362,
13.9569

 123.1569, 81.0051,
228.3816

 1.1285, 0.0000,
7.9523

 154.7436,
105.6210, 277.7002

 0.0488, 0.0000,
3.9771

 191.3161,

 0.0000, 0.0000,

134.7779, 333.6522

1.6128

233.2397,
168.8602, 396.6560

■ 0.0000, 0.0000,
0.2999

■ 0.0000, 0.0000,
0.0000

■ 27.2223, 12.5868,
66.6404

■ 27.2223, 12.5868,
66.6404

■ 27.2225, 12.5869,
66.6407

■ 28.6583, 13.7447,
66.7885

■ 30.4609, 15.5609,
67.0440

■ 32.7357, 18.2443,
67.4421

■ 35.5413, 21.9117,
68.0021

■ 38.9275, 26.6613,
68.7404

■ 42.9377, 32.5794,
69.6713

■ 47.6111, 39.7434,
70.8078

■ 52.9835, 48.2239,
72.1615

■ 59.0878, 58.0862,
73.7434

Harmonies

Analogous

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



17.4562, 12.5868, 108.8646



27.2223, 12.5868, 66.6404



33.6708, 12.5868, 24.1012

Triad

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



27.2223, 12.5868, 66.6404



15.1886, 12.5868, 0.0000



2.6086, 12.5868, 32.6485

Complementary

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



27.2223, 12.5868, 66.6404



26.4442, 50.4668, 8.3475

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.



2.4335, 12.5868, 6.8333



27.2223, 12.5868, 66.6404



7.7638, 12.5868, 0.0000

Square

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



27.2223, 12.5868, 66.6404



24.9519, 12.5868, 0.0000



3.8403, 12.5868, 0.2145



4.5089, 12.5868, 78.3707

Rectangle

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



27.2223, 12.5868, 66.6404



33.9207, 12.5868, 8.1918



3.8403, 12.5868, 0.2145



2.3905, 12.5868, 21.2611

Sweetspot

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



27.2230, 12.5873, 66.6407



68.4163, 56.9663, 101.9974



14.0311, 8.0230, 66.4550



14.0073, 11.2092, 21.6753



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.



27.2230, 12.5873, 66.6407



39.0844, 18.0637, 96.0344



35.5323, 17.5186, 37.7626



13.2693, 13.0970, 16.4807



16.5821, 7.6726, 40.3454



1.1527, 0.5375, 2.6174

Inverse Universe

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



29.3294, 15.0375, 5.0987



42.2177, 21.6511, 7.0783



25.4027, 49.8618, 11.3758



13.1933, 13.1064, 14.2790



17.7910, 9.1174, 3.2794



1.1876, 0.6047, 0.3970

Previews

White Background



This preview shows how the XYZ color 27.2223, 12.5868, 66.6404 looks on a white background.

Color Contrast Check

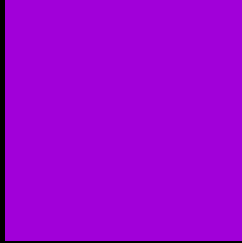
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2223, 12.5868, 66.6404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

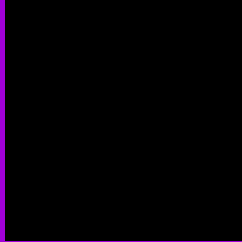
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2223, 12.5868, 66.6404

Background



This preview shows how black text looks on a background with the XYZ color 27.2223, 12.5868, 66.6404.



This preview shows how white text looks on a background with the XYZ color 27.2223, 12.5868,

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

27.2223, 12.5868, 66.6404

Protanopia

15.5083, 13.1916, 60.1214

Tritanopia

16.1213, 12.9151, 11.5407

Trichromacy



Original Color

27.2223, 12.5868, 66.6404



Protanomaly

15.1591, 9.0282, 61.9164



Tritanomaly

18.0473, 10.7404, 24.7888

Monochromacy



Original Color

27.2223, 12.5868, 66.6404



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.5044, 6.4379, 20.0910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2223, 12.5868, 66.6404 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(161, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 217)  
}
```

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(161, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 27.2223, 12.5868, 66.6404 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(161, 0, 217) }
```

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

```
.border{ border-color:rgb(161, 0, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 0, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(161, 0,  
217) }
```


Background

The CSS property to change the background color of an element to XYZ 27.2223, 12.5868, 66.6404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 217) }
```

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

```
.background{ background-color: rgb(161, 0,  
217) }
```

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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