

Converting Colors

XYZ(26.7403, 12.3421, 66.4482)

Have a look what the booklet for
XYZ(26.7403, 12.3421, 66.4482)
contains.

XYZ(26.8225, 12.3807, 66.6216)	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(26.8225, 12.3807,
66.6216)**

Conversions

Conversions Part 1

Format	Color
Hex	9F00D9
RGB	159, 0, 217
RGB Percent	62%, 0%, 85%
CMY	0.3765, 1.0000, 0.1490
CMYK	0.27, 1.00, 0.00, 0.15
HSL	284°, 100%, 43%
HSV	284°, 100%, 85%
XYZ	26.8225, 12.3807, 66.6216
YIQ	72.2790, 25.1070, 101.1950

Conversions

Conversions Part 2

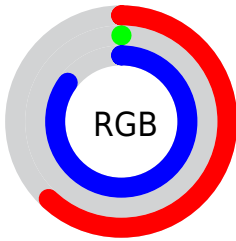
Format	Color
R_{YB}	159, 0, 217
Decimal	10420441
CIE _{Lab}	41.81, 78.76, -70.11
CIE _{LCh}	42, 105.445, 318.325
Yxy	12.3807, 0.2535, 0.1170
Android (android.graphics.Color)	4288610521 (0xFF9F00D9)
YUV	72.2790, 71.3475, 76.0543
Hunter-Lab	35.1862, 74.4949, -87.6294

Details

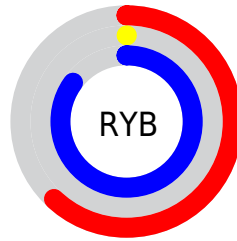
The XYZ color **26.8225, 12.3807, 66.6216** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **26.5581, 50.5255, 8.3528**, and the grayscale version is **6.0867, 6.4037, 6.9736**.

A 20% lighter version of the original color is **50.5119, 28.7771, 97.5000**, and **11.6886, 5.2825, 34.1218** is the 20% darker color. If you saturate the color by 10%, you get **26.8228, 12.3808, 66.6219**, and if you desaturate by 10%, it is **28.2818, 13.5506, 66.7708**.

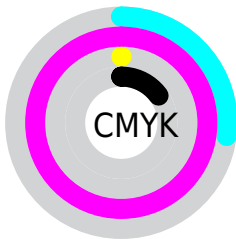
Distribution



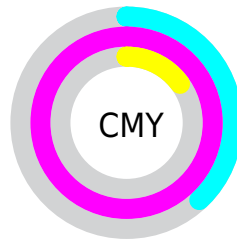
- Red (62%)
- Green (0%)
- Blue (85%)



- Red (62%)
- Yellow (0%)
- Blue (85%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (38%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8225, 12.3807, 66.6216 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 26.8225, 12.3807, 66.6216 by changing the saturation by 10% instead.

 26.8225, 12.3807,
66.6216


 26.8225, 12.3807,
66.6216


278.9799,
206.9096, 467.0614


 17.5759, 7.0035,
48.3175


 54.0208, 30.1866,
116.0135


 10.7437, 3.4643,
33.7166


 72.7032, 43.3841,
147.9385


 5.9608, 1.3787,
22.4004


 95.2615, 59.9571,
185.2407

 2.8617, 0.2009,
13.9503

 122.0611, 80.2902,
228.3389

 1.0811, 0.0000,
7.9477

 153.4675,
104.7675, 277.6515

 0.0092, 0.0000,
3.9742

 189.8458,

 0.0000, 0.0000,

133.7736, 333.5971

1.6112

231.5615,
167.6928, 396.5942

■ 0.0000, 0.0000,
0.2988

■ 0.0000, 0.0000,
0.0000

■ 26.8225, 12.3807,
66.6216

■ 26.8225, 12.3807,
66.6216

■ 26.8228, 12.3808,
66.6219

■ 28.2818, 13.5506,
66.7708

■ 30.1113, 15.3806,
67.0275

■ 32.4165, 18.0797,
67.4270

■ 35.2563, 21.7646,
67.9886

■ 38.6802, 26.5337,
68.7287

■ 42.7320, 32.4732,
69.6616

■ 47.4508, 39.6606,
70.8002

■ 52.8725, 48.1665,
72.1562

■ 59.0302, 58.0563,
73.7406

Harmonies

Analogous

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



17.1165, 12.3807, 108.5210



26.8225, 12.3807, 66.6216



33.2949, 12.3807, 24.1225

Triad

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



26.8225, 12.3807, 66.6216



15.0564, 12.3807, 0.0000



2.5206, 12.3807, 31.9004

Complementary

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



26.8225, 12.3807, 66.6216



26.5581, 50.5255, 8.3528

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.



2.3634, 12.3807, 6.5445



26.8225, 12.3807, 66.6216



7.6681, 12.3807, 0.0000

Square

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



26.8225, 12.3807, 66.6216



24.7557, 12.3807, 0.0000



3.7650, 12.3807, 0.1387



4.3677, 12.3807, 77.3308

Rectangle

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



26.8225, 12.3807, 66.6216



33.5991, 12.3807, 8.1866



3.7650, 12.3807, 0.1387



2.3118, 12.3807, 20.6719

Sweetspot

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



26.8232, 12.3811, 66.6219



68.1837, 56.8464, 101.9865



14.2194, 8.3996, 66.5177



13.9514, 11.1804, 21.6727



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.



26.8232, 12.3811, 66.6219



38.5055, 17.7652, 96.0073



35.8697, 17.6536, 39.5397



13.2572, 13.0907, 16.4802



16.3421, 7.5488, 40.3341



1.1388, 0.5303, 2.6168

Inverse Universe

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



29.3792, 15.0574, 5.3614



42.2881, 21.6793, 7.4494



25.3265, 49.8313, 10.9752



13.1982, 13.1084, 14.3052



17.8222, 9.1299, 3.4436



1.1902, 0.6057, 0.4107

Previews

White Background



This preview shows how the XYZ color 26.8225, 12.3807, 66.6216 looks on a white background.

Color Contrast Check

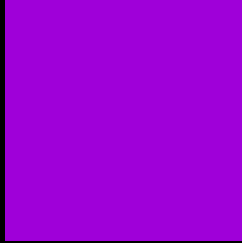
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8225, 12.3807, 66.6216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

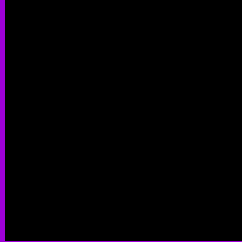
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.8225, 12.3807, 66.6216

Background



This preview shows how black text looks on a background with the XYZ color 26.8225, 12.3807, 66.6216.



This preview shows how white text looks on a background with the XYZ color 26.8225, 12.3807,

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

26.8225, 12.3807, 66.6216

Deuteranopia

12.8861, 12.9148, 43.9331

Tritanopia

15.7843, 12.7413, 11.5249

Trichromacy



Original Color

26.8225, 12.3807, 66.6216



Deuteranomaly

13.2076, 8.6017, 50.8334



Tritanomaly

17.6886, 10.5555, 24.7720

Monochromacy



Original Color

26.8225, 12.3807, 66.6216



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.3876, 6.3777, 20.0856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8225, 12.3807, 66.6216 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(159, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 26.8225, 12.3807, 66.6216 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(159, 0, 217) }
```

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

```
.border{ border-color:rgb(159, 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(159, 0, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(159, 0,  
217) }
```


Background

The CSS property to change the background color of an element to XYZ 26.8225, 12.3807, 66.6216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 217) }
```

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

```
.background{ background-color: rgb(159, 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](#).

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