

Converting Colors

XYZ(12.8805, 6.0826, 26.0867)

Have a look what the booklet for
XYZ(12.8805, 6.0826, 26.0867)
contains.

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Color

**XYZ(12.9085, 6.0906,
26.0864)**

Conversions

Conversions Part 1

Format	Color
Hex	7A008E
RGB	122, 0, 142
RGB Percent	48%, 0%, 56%
CMY	0.5216, 1.0000, 0.4431
CMYK	0.14, 1.00, 0.00, 0.44
HSL	292°, 100%, 28%
HSV	292°, 100%, 56%
XYZ	12.9085, 6.0906, 26.0864
YIQ	52.6660, 27.1300, 70.0260

Conversions

Conversions Part 2

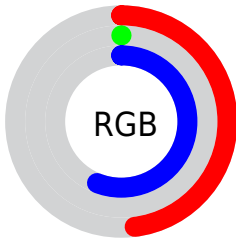
Format	Color
R_{YB}	122, 0, 142
Decimal	7995534
CIE _{Lab}	29.64, 60.29, -45.53
CIE _{LCh}	30, 75.546, 322.940
Yxy	6.0906, 0.2863, 0.1351
Android (android.graphics.Color)	4286185614 (0xFF7A008E)
YUV	52.6660, 44.0417, 60.8059
Hunter-Lab	24.6791, 50.1765, -45.3954

Details

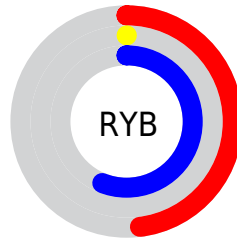
The XYZ color **12.9085, 6.0906, 26.0864** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.9617, 19.4949, 3.2381**, and the grayscale version is **3.2909, 3.4622, 3.7704**.

A 20% lighter version of the original color is **30.6413, 18.0852, 54.1004**, and **4.2722, 1.9843, 10.0554** is the 20% darker color. If you saturate the color by 10%, you get **12.9085, 6.0906, 26.0865**, and if you desaturate by 10%, it is **13.3547, 6.5579, 26.1532**.

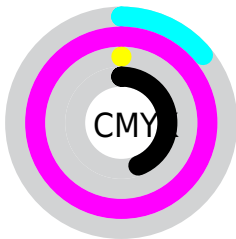
Distribution



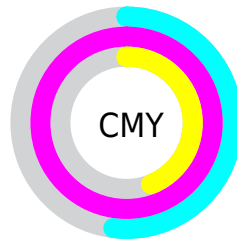
- Red (48%)
- Green (0%)
- Blue (56%)



- Red (48%)
- Yellow (0%)
- Blue (56%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (44%)



- Cyan (52%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9085, 6.0906, 26.0864 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 12.9085, 6.0906, 26.0864 by changing the saturation by 10% instead.

■ 12.9085, 6.0906,
26.0864

■ 12.9085, 6.0906,
26.0864

203.9799,
159.8779, 296.8249

■ 7.4421, 2.9003,
16.6619

■ 30.7420, 18.1188,
54.4001

■ 3.7889, 1.0799,
9.8344

■ 43.8399, 27.7255,
74.1264

■ 1.5834, 0.0000,
5.1851

■ 60.2123, 40.2397,
98.1238

■ 0.3816, 0.0000,
2.2956

■ 80.2246, 56.0458,
126.8107

■ 0.0000, 0.0000,
0.7288

■ 104.2421, 75.5283,
160.6057

■ 0.0000, 0.0000,
0.0000

■ 132.6303, 99.0716,

199.9274

165.7544,
127.0600, 245.1943

12.9085, 6.0906,
26.0864

12.9085, 6.0906,
26.0864

12.9085, 6.0906,
26.0865

13.3547, 6.5579,
26.1532

13.9119, 7.2388,
26.2552

14.6345, 8.2418,
26.4107

15.5423, 9.6064,
26.6263

16.6523, 11.3663,
26.9075

■ 17.9792, 13.5515,
27.2593

■ 19.5368, 16.1888,
27.6863

■ 21.3373, 19.3031,
28.1925

■ 23.3923, 22.9173,
28.7818

Harmonies

Analogous

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



8.7968, 6.0906, 44.3553



12.9085, 6.0906, 26.0864



15.2504, 6.0906, 9.2671

Triad

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



12.9085, 6.0906, 26.0864



6.6479, 6.0906, 0.0000



1.5632, 6.0906, 17.2094

Complementary

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



12.9085, 6.0906, 26.0864



9.9617, 19.4949, 3.2381

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.



1.3723, 6.0906, 4.5502



12.9085, 6.0906, 26.0864



3.5592, 6.0906, 0.0000

Square

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



12.9085, 6.0906, 26.0864



10.8100, 6.0906, 0.0000



1.9312, 6.0906, 0.3898



2.6281, 6.0906, 36.5328

Rectangle

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



12.9085, 6.0906, 26.0864



15.0249, 6.0906, 3.2082



1.9312, 6.0906, 0.3898



1.4183, 6.0906, 11.8941

Sweetspot

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



12.9088, 6.0909, 26.0865



34.2658, 28.2300, 48.7708



5.1565, 2.5008, 25.8022



7.4183, 5.9049, 10.8282



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.9088, 6.0909, 26.0865



22.6594, 10.6867, 45.9963



13.1005, 6.5290, 10.7646



5.5526, 5.4731, 6.7925



11.6014, 5.4743, 23.4223



0.1242, 0.0592, 0.2246

Inverse Universe

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



11.2818, 5.8015, 1.1874



19.8564, 10.2150, 1.8942



10.2425, 19.5739, 6.2228



5.4379, 5.4357, 5.8041



10.1337, 5.2105, 1.0893



0.1017, 0.0517, 0.0356

Previews

White Background



This preview shows how the XYZ color 12.9085, 6.0906, 26.0864 looks on a white background.

Color Contrast Check

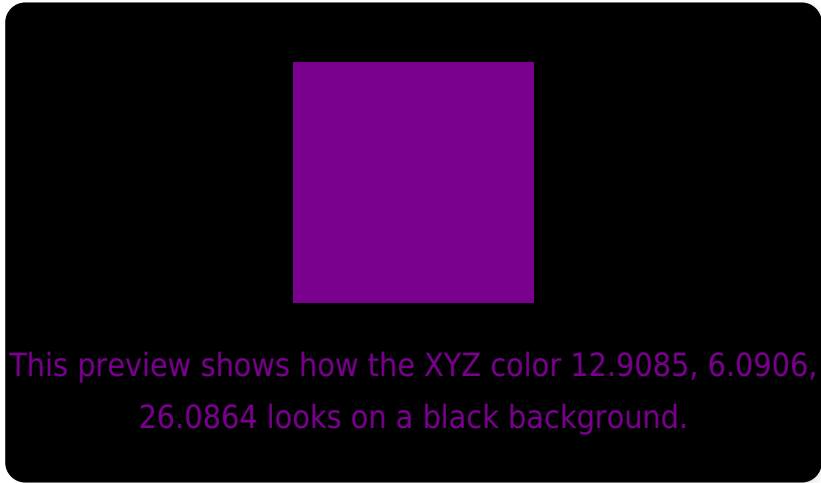
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

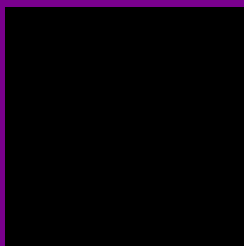
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9085, 6.0906, 26.0864

Background



This preview shows how black text looks on a background with the XYZ color 12.9085, 6.0906, 26.0864.



This preview shows how white text looks on a background with the XYZ color 12.9085, 6.0906,

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

12.9085, 6.0906, 26.0864

Protanopia

7.6150, 6.5502, 29.2967

Deuteranopia

6.5455, 6.5363, 22.3894



Tritanopia

8.7853, 6.5341, 5.0731

Trichromacy



Original Color

12.9085, 6.0906, 26.0864

Protanomaly

7.1654, 4.4876, 27.6827

Deuteranomaly

6.4284, 4.3178, 23.4163

Tritanomaly

9.5466, 5.6448, 10.2593

Monochromacy



Original Color

12.9085, 6.0906, 26.0864

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.3536, 3.4196, 8.9722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9085, 6.0906, 26.0864 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(122, 0, 142)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 142)  
}
```

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(122, 0, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 142) }
```

Border

The CSS property to change the border of an element to XYZ 12.9085, 6.0906, 26.0864 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(122, 0, 142) }
```


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

```
.border{ border-color:rgb(122, 0, 142) }
```

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

Here you see how a box with a 4 pixel rgb(122, 0, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(122, 0,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9085, 6.0906, 26.0864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 142) }
```

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

```
.background{ background-color: rgb(122, 0,  
142) }
```

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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