

Converting Colors

XYZ(24.1546, 11.9343, 24.5283)

Have a look what the booklet for
XYZ(24.1546, 11.9343, 24.5283)
contains.

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Color

**XYZ(24.2825, 11.9965,
24.7026)**

Conversions

Conversions Part 1

Format	Color
Hex	B80089
RGB	184, 0, 137
RGB Percent	72%, 0%, 54%
CMY	0.2784, 0.9999, 0.4627
CMYK	0.00, 1.00, 0.26, 0.28
HSL	315°, 100%, 36%
HSV	315°, 100%, 72%
XYZ	24.2825, 11.9965, 24.7026
YIQ	70.6340, 65.6870, 81.6150

Conversions

Conversions Part 2

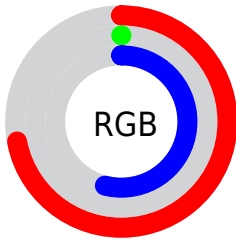
Format	Color
RYB	184, 0, 137
Decimal	12058761
CIELab	41.21, 70.67, -23.34
CIElCh	41, 74.423, 341.721
Yxy	11.9965, 0.3982, 0.1967
Android (android.graphics.Color)	4290248841 (0xFFB80089)
YUV	70.6340, 32.7184, 99.4220
Hunter-Lab	34.6360, 64.5294, -18.0408

Details

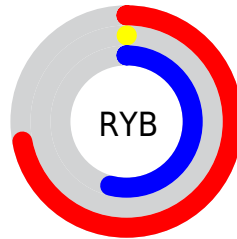
The XYZ color **24.2825, 11.9965, 24.7026** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.6546, 34.4867, 8.4185**, and the grayscale version is **5.8693, 6.1750, 6.7245**.

A 20% lighter version of the original color is **49.9607, 29.4917, 52.3495**, and **10.3245, 5.1237, 9.4616** is the 20% darker color. If you saturate the color by 10%, you get **24.2821, 11.9963, 24.6999**, and if you desaturate by 10%, it is **24.8506, 12.5810, 26.5922**.

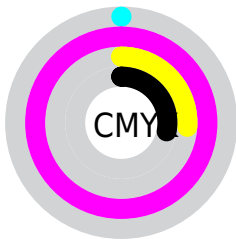
Distribution



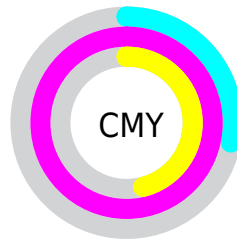
- Red (72%)
- Green (0%)
- Blue (54%)



- Red (72%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2825, 11.9965, 24.7026 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 24.2825, 11.9965, 24.7026 by changing the saturation by 10% instead.

 24.2825, 11.9965,
24.7026


 24.2825, 11.9965,
24.7026


266.6597,
204.3821, 289.7537


 15.6692, 6.7413,
15.6386


 49.9421, 29.4887,
52.1325


 9.3797, 3.3008,
9.1172


 67.7192, 42.4945,
71.3354


 5.0488, 1.2907,
4.7199

 89.2815, 58.8527,
94.7551

 2.3110, 0.1340,
2.0280

 114.9944, 78.9476,
122.8101

 0.8003, 0.0000,
0.5724

 145.2233,
103.1635, 155.9189

 0.0000, 0.0000,
0.0000

 180.3336,

131.8850, 194.5001

220.6906,
165.4964, 238.9722

■ 24.2825, 11.9965,
24.7026

■ 24.2825, 11.9965,
24.7026

■ 24.2821, 11.9963,
24.6999

■ 24.8506, 12.5810,
26.5922

■ 25.6431, 13.5907,
28.6300

■ 26.7385, 15.1822,
30.8430

■ 28.1754, 17.4322,
33.2449

■ 29.9862, 20.4054,
35.8475

■ 32.1997, 24.1591,
38.6611

■ 34.8417, 28.7446,
41.6952

■ 37.9358, 34.2088,
44.9584

■ 41.5039, 40.5953,
48.4589

Harmonies

Analogous

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



19.7451, 11.9965, 49.8901



24.2825, 11.9965, 24.7026



24.7919, 11.9965, 7.9293

Triad

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



24.2825, 11.9965, 24.7026



9.4310, 11.9965, 0.0000



5.3023, 11.9965, 44.2722

Complementary

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



24.2825, 11.9965, 24.7026



17.6546, 34.4867, 8.4185

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.



3.9868, 11.9965, 20.0363



24.2825, 11.9965, 24.7026



5.8194, 11.9965, 1.0890

Square

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



24.2825, 11.9965, 24.7026



14.9563, 11.9965, 0.0269



4.1404, 11.9965, 5.8104



8.4613, 11.9965, 66.0525

Rectangle

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



24.2825, 11.9965, 24.7026



22.6309, 11.9965, 2.8682



4.1404, 11.9965, 5.8104



4.6823, 11.9965, 35.5901

Sweetspot

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



24.2829, 11.9971, 24.7028



62.8923, 51.6386, 75.2890



9.7798, 4.0427, 45.6124



13.1092, 10.3492, 15.7260



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.2829, 11.9971, 24.7028



43.9158, 21.7058, 44.2385



20.2611, 10.3884, 3.5243



9.2803, 9.1225, 10.8233



16.7648, 8.2797, 17.1799



0.6145, 0.3013, 0.7296

Inverse Universe

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



24.2829, 11.9971, 24.7028



43.9158, 21.7058, 44.2385



21.7289, 36.1164, 29.8735



9.2803, 9.1225, 10.8233



16.7648, 8.2797, 17.1799



0.6145, 0.3013, 0.7296

Previews

White Background



This preview shows how the XYZ color 24.2825, 11.9965, 24.7026 looks on a white background.

Color Contrast Check

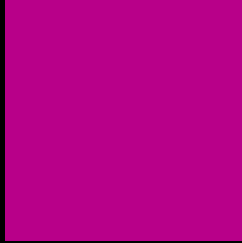
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2825, 11.9965, 24.7026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

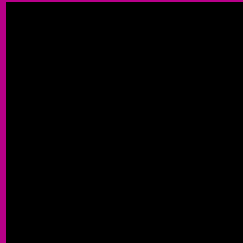
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2825, 11.9965, 24.7026

Background



This preview shows how black text looks on a background with the XYZ color 24.2825, 11.9965, 24.7026.



This preview shows how white text looks on a background with the XYZ color 24.2825, 11.9965,

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

24.2825, 11.9965, 24.7026

Protanopia

14.9083, 12.7570, 53.3064

Deuteranopia

12.8801, 12.6736, 22.1895



Tritanopia

20.4178, 12.3987, 5.1880

Trichromacy



Original Color

24.2825, 11.9965, 24.7026

Protanomaly

13.7224, 8.6688, 40.9944

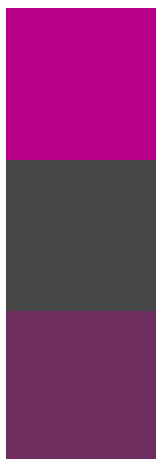
Deuteranomaly

14.5718, 9.5960, 22.5569

Tritanomaly

21.0741, 11.5192, 9.9168

Monochromacy



Original Color

24.2825, 11.9965, 24.7026

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

9.6860, 6.1477, 11.5026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2825, 11.9965, 24.7026 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(184, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 137)  
}
```

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(184, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 137) }
```

Border

The CSS property to change the border of an element to XYZ 24.2825, 11.9965, 24.7026 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(184, 0, 137) }
```


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

```
.border{ border-color:rgb(184, 0, 137) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2825, 11.9965, 24.7026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 137) }
```

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

```
.background{ background-color: rgb(184, 0,  
137) }
```

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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