

Converting Colors

XYZ(24.8113, 12.8797, 26.5761)

Have a look what the booklet for
XYZ(24.8113, 12.8797, 26.5761)
contains.

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Color

**XYZ(24.8503, 12.8990,
26.7712)**

Conversions

Conversions Part 1

Format	Color
Hex	B71D8E
RGB	183, 29, 142
RGB Percent	72%, 11%, 56%
CMY	0.2824, 0.8862, 0.4431
CMYK	0.00, 0.84, 0.22, 0.28
HSL	316°, 73%, 42%
HSV	316°, 84%, 72%
XYZ	24.8503, 12.8990, 26.7712
YIQ	87.9280, 55.5110, 67.7910

Conversions

Conversions Part 2

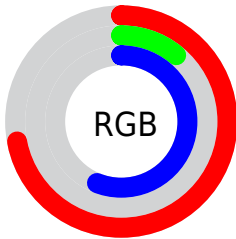
Format	Color
R_{YB}	183, 29, 142
Decimal	12000654
CIE _{Lab}	42.61, 67.09, -24.24
CIE _{LCh}	43, 71.332, 340.133
Yxy	12.8990, 0.3852, 0.1999
Android (android.graphics.Color)	4290190734 (0xFFB71D8E)
YUV	87.9280, 26.6575, 83.3781
Hunter-Lab	35.9152, 60.6555, -19.0542

Details

The XYZ color **24.8503, 12.8990, 26.7712** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.5465, 34.5709, 11.4918**, and the grayscale version is **9.1968, 9.6757, 10.5369**.

A 20% lighter version of the original color is **51.0182, 31.2246, 55.5626**, and **10.3458, 5.1153, 10.3396** is the 20% darker color. If you saturate the color by 10%, you get **24.1695, 12.1099, 24.7786**, and if you desaturate by 10%, it is **25.8141, 14.2280, 28.9372**.

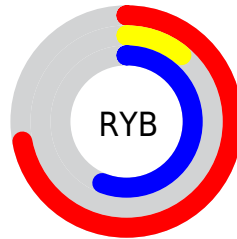
Distribution



Red (72%)

Green (11%)

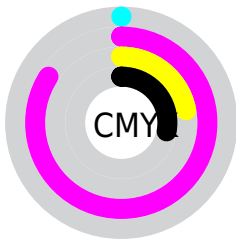
Blue (56%)



Red (72%)

Yellow (11%)

Blue (56%)

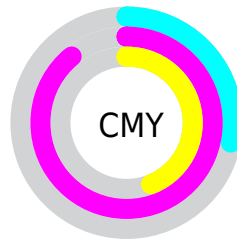


Cyan (0%)

Magenta (84%)

Yellow (22%)

Black (28%)



Cyan (28%)


Magenta (89%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8503, 12.8990, 26.7712 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 24.8503, 12.8990, 26.7712 by changing the saturation by 10% instead.


 24.8503, 12.8990,
26.7712


 24.8503, 12.8990,
26.7712


269.4530,
210.2694, 300.2726


 16.0937, 7.3590,
17.1705


 50.8589, 31.1222,
55.5158


 9.6817, 3.6876,
10.1929


 68.8416, 44.5743,
75.4968

 5.2491, 1.5004,
5.4198

 90.6304, 61.4324,
99.7749

 2.4304, 0.2890,
2.4326

 116.5906, 82.0812,
128.7689

 0.8603, 0.0000,
0.8041

 147.0877,
106.9048, 162.8970

 0.0000, 0.0000,
0.0000

 182.4868,

136.2878, 202.5780

223.1535,
170.6145, 248.2304

■ 24.8503, 12.8990,
26.7712

■ 24.8503, 12.8990,
26.7712

■ 24.1695, 12.1099,
24.7786

■ 25.8141, 14.2280,
28.9372

■ 23.8509, 11.7963,
23.6750

■ 27.1008, 16.1773,
31.2907

■ 28.7453, 18.8157,
33.8442

■ 30.7772, 22.2024,
36.6087

■ 33.2231, 26.3904,
39.5939

■ 36.1072, 31.4276,
42.8088

■ 39.4517, 37.3583,
46.2617

■ 43.2774, 44.2236,
49.9604

■ 47.6037, 52.0621,
53.9123

Harmonies

Analogous

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



20.2460, 12.8990, 51.2643



24.8503, 12.8990, 26.7712



25.5880, 12.8990, 9.4353

Triad

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



24.8503, 12.8990, 26.7712



10.5224, 12.8990, 0.2270



5.9108, 12.8990, 43.2605

Complementary

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



24.8503, 12.8990, 26.7712



18.5465, 34.5709, 11.4918

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.



4.6152, 12.8990, 19.9539



24.8503, 12.8990, 26.7712



6.7106, 12.8990, 1.3698

Square

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



24.8503, 12.8990, 26.7712



16.1389, 12.8990, 0.4461



4.8572, 12.8990, 6.1680



9.0586, 12.8990, 64.6959

Rectangle

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



24.8503, 12.8990, 26.7712



23.6137, 12.8990, 3.7800



4.8572, 12.8990, 6.1680



5.2932, 12.8990, 34.8911

Sweetspot

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



24.8507, 12.8997, 26.7714



63.9680, 55.0564, 75.9169



11.3368, 5.5096, 45.2659



13.7167, 11.4385, 16.3159



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.



24.8507, 12.8997, 26.7714



42.6159, 21.0866, 41.8723



20.9967, 11.3581, 6.4763



9.2761, 9.1208, 10.8013



16.6683, 8.2411, 16.6718



0.6118, 0.3002, 0.7150

Inverse Universe

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



24.8507, 12.8997, 26.7714



42.6159, 21.0866, 41.8723



22.5132, 36.1576, 32.3803



9.2761, 9.1208, 10.8013



16.6683, 8.2411, 16.6718



0.6118, 0.3002, 0.7150

Previews

White Background



This preview shows how the XYZ color 24.8503, 12.8990, 26.7712 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 24.8503, 12.8990, 26.7712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

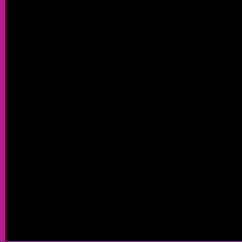
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8503, 12.8990, 26.7712

Background



This preview shows how black text looks on a background with the XYZ color 24.8503, 12.8990, 26.7712.



This preview shows how white text looks on a background with the XYZ color 24.8503, 12.8990,

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

24.8503, 12.8990, 26.7712

Protanopia

15.4845, 13.4681, 53.4133

Deuteranopia

13.5101, 13.2407, 24.0340



Tritanopia

20.7256, 13.0548, 6.2779

Trichromacy



Original Color

24.8503, 12.8990, 26.7712



Protanomaly

15.1091, 10.5189, 42.3083



Deuteranomaly

15.6451, 11.1872, 24.6273



Tritanomaly

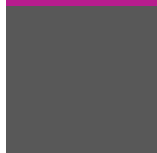
21.6205, 12.5530, 11.4087

Monochromacy



Original Color

24.8503, 12.8990, 26.7712



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

12.8823, 9.3080, 15.3050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8503, 12.8990, 26.7712 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(183, 29, 142)` looks like.

```
.text, #text, p{  
    color:rgb(183, 29, 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(183, 29, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 29, 142) }
```

Border

The CSS property to change the border of an element to XYZ 24.8503, 12.8990, 26.7712 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(183, 29, 142) }
```


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

```
.border{ border-color:rgb(183, 29, 142) }
```

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

Here you see how a box with a 4 pixel rgb(183, 29, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 29, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 29, 142);  
box-shadow:4px 4px 4px 4px rgb(183, 29,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8503, 12.8990, 26.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 29, 142) }
```

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

```
.background{ background-color: rgb(183, 29,  
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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