

Converting Colors

XYZ(25.0943, 13.1226, 22.7354)

Have a look what the booklet for
XYZ(25.0943, 13.1226, 22.7354)
contains.

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Color

**XYZ(25.0296, 13.0822,
22.6786)**

Conversions

Conversions Part 1

Format	Color
Hex	BB1D83
RGB	187, 29, 131
RGB Percent	73%, 11%, 51%
CMY	0.2667, 0.8862, 0.4863
CMYK	0.00, 0.84, 0.30, 0.27
HSL	321°, 73%, 42%
HSV	321°, 84%, 73%
XYZ	25.0296, 13.0822, 22.6786
YIQ	87.8700, 61.4260, 65.2180

Conversions

Conversions Part 2

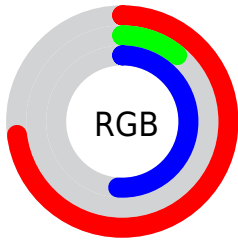
Format	Color
R_{YB}	187, 29, 131
Decimal	12262787
CIE _{Lab}	42.89, 66.66, -17.02
CIE _{LCh}	43, 68.803, 345.674
Yxy	13.0822, 0.4117, 0.2152
Android (android.graphics.Color)	4290452867 (0xFFBB1D83)
YUV	87.8700, 21.2631, 86.9370
Hunter-Lab	36.1693, 60.2278, -11.8570

Details

The XYZ color **25.0296, 13.0822, 22.6786** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **19.9177, 36.4582, 14.5845**, and the grayscale version is **9.1947, 9.6736, 10.5345**.

A 20% lighter version of the original color is **51.1017, 31.4193, 48.7186**, and **10.5385, 5.2612, 8.2447** is the 20% darker color. If you saturate the color by 10%, you get **24.2672, 12.2534, 20.2784**, and if you desaturate by 10%, it is **26.0994, 14.4796, 25.3233**.

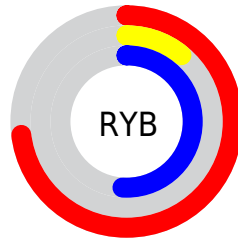
Distribution



Red (73%)

Green (11%)

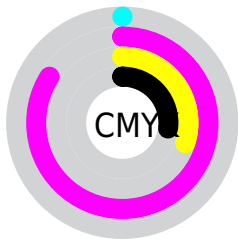
Blue (51%)



Red (73%)

Yellow (11%)

Blue (51%)

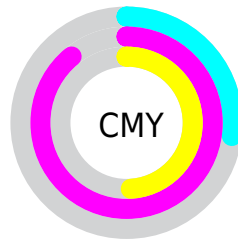


Cyan (0%)

Magenta (84%)

Yellow (30%)

Black (27%)



Cyan (27%)


Magenta (89%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0296, 13.0822, 22.6786 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 25.0296, 13.0822, 22.6786 by changing the saturation by 10% instead.

 25.0296, 13.0822,
22.6786


 25.0296, 13.0822,
22.6786


270.3302,
211.4438, 279.1381


 16.2280, 7.4852,
14.1533


 51.1478, 31.4514,
48.7815


 9.7775, 3.7673,
8.0874


 69.1950, 44.9923,
67.1963


 5.3128, 1.5443,
4.0624

 91.0549, 61.9500,
89.7445

 2.4686, 0.3196,
1.6596

 117.0927, 82.7089,
116.8449

 0.8794, 0.0000,
0.3328

 147.6737,
107.6533, 148.9159

 0.0000, 0.0000,
0.0000

 183.1634,

137.1677, 186.3761

223.9272,
171.6364, 229.6440

■ 25.0296, 13.0822,
22.6786

■ 25.0296, 13.0822,
22.6786

■ 24.2672, 12.2534,
20.2784

■ 26.0994, 14.4796,
25.3233

■ 23.9274, 11.9383,
19.0412

■ 27.5197, 16.5312,
28.2291

■ 29.3276, 19.3104,
31.4109

■ 31.5549, 22.8799,
34.8819

■ 34.2300, 27.2958,
38.6539

■ 37.3788, 32.6092,
42.7377

■ 41.0251, 38.8668,
47.1436

■ 45.1909, 46.1122,
51.8812

■ 49.8973, 54.3864,
56.9597

Harmonies

Analogous

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



21.1610, 13.0822, 45.5725



25.0296, 13.0822, 22.6786



24.9316, 13.0822, 7.7658

Triad

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



25.0296, 13.0822, 22.6786



9.8977, 13.0822, 0.5382



6.6226, 13.0822, 46.6261

Complementary

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



25.0296, 13.0822, 22.6786



19.9177, 36.4582, 14.5845

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.



5.0185, 13.0822, 23.5874



25.0296, 13.0822, 22.6786



6.5128, 13.0822, 2.0788

Square

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



25.0296, 13.0822, 22.6786



15.1078, 13.0822, 0.5090



4.9850, 13.0822, 8.2131



10.0963, 13.0822, 64.7569

Rectangle

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



25.0296, 13.0822, 22.6786



22.5898, 13.0822, 3.1513



4.9850, 13.0822, 8.2131



5.8961, 13.0822, 38.6851

Sweetspot

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



25.0300, 13.0829, 22.6788



66.3901, 57.4584, 75.8466



13.0932, 6.3664, 47.5526



14.1661, 11.8838, 16.1239



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.0300, 13.0829, 22.6788



42.7370, 21.3348, 33.4879



21.5692, 11.6986, 4.4547



9.7825, 9.6373, 11.2434



16.5215, 8.2397, 13.3056



0.6772, 0.3348, 0.6793

Inverse Universe

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



25.0300, 13.0829, 22.6788



42.7370, 21.3348, 33.4879



24.9154, 38.4573, 40.9023



9.7825, 9.6373, 11.2434



16.5215, 8.2397, 13.3056



0.6772, 0.3348, 0.6793

Previews

White Background



This preview shows how the XYZ color 25.0296, 13.0822, 22.6786 looks on a white background.

Color Contrast Check

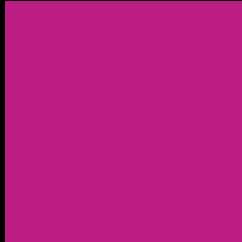
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0296, 13.0822, 22.6786 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 25.0296, 13.0822, 22.6786

Background



This preview shows how black text looks on a background with the XYZ color 25.0296, 13.0822, 22.6786.



This preview shows how white text looks on a background with the XYZ color 25.0296, 13.0822,

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

25.0296, 13.0822, 22.6786

Protanopia

15.0776, 13.5744, 45.5415

Deuteranopia

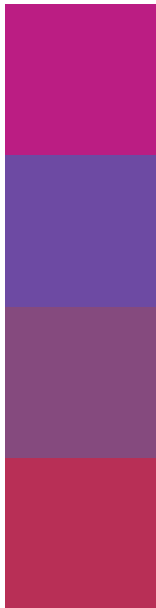
13.6118, 13.3692, 20.6020



Tritanopia

21.5701, 13.1976, 5.6855

Trichromacy



Original Color

25.0296, 13.0822, 22.6786

Protanomaly

15.3663, 10.7931, 35.9237

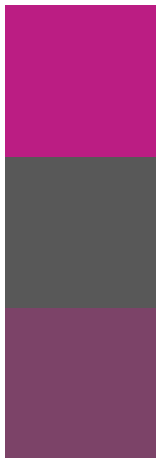
Deuteranomaly

15.8875, 11.3905, 21.0999

Tritanomaly

22.4634, 12.8953, 10.1092

Monochromacy



Original Color

25.0296, 13.0822, 22.6786

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

12.8180, 9.2989, 14.2160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0296, 13.0822, 22.6786 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(187, 29, 131)` looks like.

```
.text, #text, p{  
    color:rgb(187, 29, 131)  
}
```

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(187, 29, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 29, 131) }
```

Border

The CSS property to change the border of an element to XYZ 25.0296, 13.0822, 22.6786 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(187, 29, 131) }
```


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

```
.border{ border-color:rgb(187, 29, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 29, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 29, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 29, 131);  
box-shadow:4px 4px 4px 4px rgb(187, 29,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0296, 13.0822, 22.6786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 29, 131) }
```

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

```
.background{ background-color: rgb(187, 29,  
131) }
```

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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