

Converting Colors

XYZ(24.3402, 13.4155, 22.2367)

Have a look what the booklet for
XYZ(24.3402, 13.4155, 22.2367)
contains.

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Color

**XYZ(24.3916, 13.4536,
22.0801)**

Conversions

Conversions Part 1

Format	Color
Hex	B72C81
RGB	183, 44, 129
RGB Percent	72%, 17%, 51%
CMY	0.2824, 0.8274, 0.4941
CMYK	0.00, 0.76, 0.30, 0.28
HSL	323°, 61%, 45%
HSV	323°, 76%, 72%
XYZ	24.3916, 13.4536, 22.0801
YIQ	95.2510, 55.5590, 55.9030

Conversions

Conversions Part 2

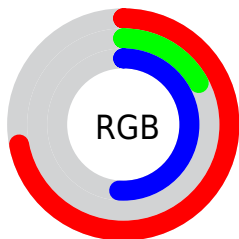
Format	Color
R_{YB}	183, 44, 129
Decimal	12004481
CIE Lab	43.44, 61.54, -15.02
CIE LCh	43, 63.344, 346.283
Yxy	13.4536, 0.4070, 0.2245
Android (android.graphics.Color)	4290194561 (0xFFB72C81)
YUV	95.2510, 16.6383, 76.9559
Hunter-Lab	36.6791, 54.5138, -10.0160

Details

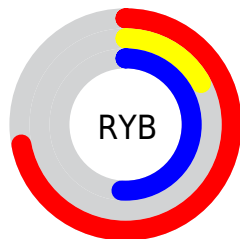
The XYZ color **24.3916, 13.4536, 22.0801** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **20.1777, 35.2848, 17.3046**, and the grayscale version is **10.8903, 11.4574, 12.4771**.

A 20% lighter version of the original color is **50.2559, 32.1326, 47.8094**, and **9.9054, 4.9392, 8.0207** is the 20% darker color. If you saturate the color by 10%, you get **23.3976, 12.1957, 19.4976**, and if you desaturate by 10%, it is **25.7198, 15.3269, 24.9364**.

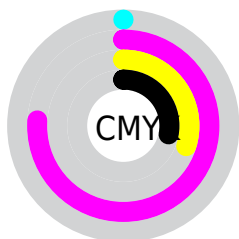
Distribution



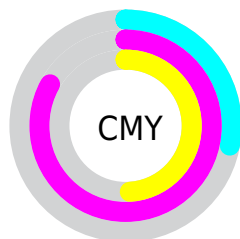
- Red (72%)
- Green (17%)
- Blue (51%)



- Red (72%)
- Yellow (17%)
- Blue (51%)



- Cyan (0%)
- Magenta (76%)
- Yellow (30%)
- Black (28%)





- Cyan (28%)
- Magenta (83%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3916, 13.4536, 22.0801 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 24.3916, 13.4536, 22.0801 by changing the saturation by 10% instead.


 24.3916, 13.4536,
22.0801


 24.3916, 13.4536,
22.0801


267.1982,
213.8046, 275.9314


 15.7507, 7.7416,
13.7169


 50.1185, 32.1163,
47.7822


 9.4376, 3.9301,
7.7875


 67.9352, 45.8359,
65.9582


 5.0871, 1.6345,
3.8735

 89.5412, 62.9934,
88.2423

 2.3337, 0.3807,
1.5562

 115.3019, 83.9733,
115.0528

 0.8118, 0.0000,
0.2593

 145.5826,
109.1600, 146.8085

 0.0000, 0.0000,
0.0000

 180.7486,

138.9378, 183.9278

221.1654,
173.6913, 226.8293

■ 24.3916, 13.4536,
22.0801

■ 24.3916, 13.4536,
22.0801

■ 23.3976, 12.1957,
19.4976

■ 25.7198, 15.3269,
24.9364

■ 22.6909, 11.4609,
17.1698

■ 27.4166, 17.8840,
28.0810

■ 22.4477, 11.2350,
16.2862

■ 29.5133, 21.1863,
31.5274

■ 32.0376, 25.2879,
35.2879

■ 35.0142, 30.2378,
39.3736

■ 38.4663, 36.0809,
43.7952

■ 42.4151, 42.8591,
48.5625

■ 46.8807, 50.6116,
53.6849

■ 51.8820, 59.3753,
59.1714

Harmonies

Analogous

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



20.9402, 13.4536, 42.5820



24.3916, 13.4536, 22.0801



24.2229, 13.4536, 8.2764

Triad

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



24.3916, 13.4536, 22.0801



10.3081, 13.4536, 0.9854



7.2887, 13.4536, 44.3577

Complementary

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



24.3916, 13.4536, 22.0801



20.1777, 35.2848, 17.3046

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.



5.6728, 13.4536, 23.6607



24.3916, 13.4536, 22.0801



7.0842, 13.4536, 2.7534

Square

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



24.3916, 13.4536, 22.0801



15.1708, 13.4536, 0.9339



5.6091, 13.4536, 9.1054



10.6674, 13.4536, 60.0541

Rectangle

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



24.3916, 13.4536, 22.0801



22.0578, 13.4536, 3.7371



5.6091, 13.4536, 9.1054



6.5642, 13.4536, 37.3195

Sweetspot

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



24.3920, 13.4543, 22.0803



64.2167, 56.6905, 72.4956



14.4089, 7.7782, 45.5419



13.7201, 11.7422, 15.4016



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.



24.3920, 13.4543, 22.0803



41.0248, 20.8894, 32.1397



21.2511, 12.1979, 5.5405



9.2291, 9.1020, 10.5537



15.6943, 7.8515, 11.5427



0.5826, 0.2885, 0.5616

Inverse Universe

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



24.3920, 13.4543, 22.0803



41.0248, 20.8894, 32.1397



24.9278, 37.1849, 42.3185



9.2291, 9.1020, 10.5537



15.6943, 7.8515, 11.5427



0.5826, 0.2885, 0.5616

Previews

White Background



This preview shows how the XYZ color 24.3916, 13.4536, 22.0801 looks on a white background.

Color Contrast Check

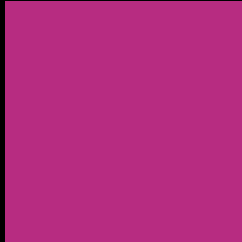
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3916, 13.4536, 22.0801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

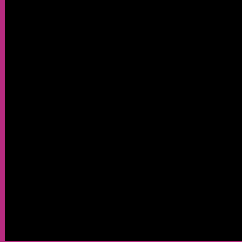
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.3916, 13.4536, 22.0801

Background



This preview shows how black text looks on a background with the XYZ color 24.3916, 13.4536, 22.0801.



This preview shows how white text looks on a background with the XYZ color 24.3916, 13.4536,

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

24.3916, 13.4536, 22.0801

Protanopia

14.9849, 13.7841, 40.3989

Deuteranopia

13.9922, 13.7158, 20.3223



Tritanopia

21.1507, 13.4252, 6.7868

Trichromacy



Original Color

24.3916, 13.4536, 22.0801

Protanomaly

15.9396, 11.7825, 32.8866

Deuteranomaly

16.2432, 12.2045, 20.9016

Tritanomaly

22.0820, 13.2698, 11.0703

Monochromacy



Original Color

24.3916, 13.4536, 22.0801

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.9907, 10.7424, 15.2460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3916, 13.4536, 22.0801 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, 44, 129)` looks like.

```
.text, #text, p{  
    color:rgb(183, 44, 129)  
}
```

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, 44, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 44, 129) }
```

Border

The CSS property to change the border of an element to XYZ 24.3916, 13.4536, 22.0801 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, 44, 129) }
```


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

```
.border{ border-color:rgb(183, 44, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 44, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 44, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 44, 129);  
box-shadow:4px 4px 4px 4px rgb(183, 44,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3916, 13.4536, 22.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 44, 129) }
```

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

```
.background{ background-color: rgb(183, 44,  
129) }
```

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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