

Converting Colors

XYZ(22.5579, 12.8715, 25.4111)

Have a look what the booklet for
XYZ(22.5579, 12.8715, 25.4111)
contains.

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Color

**XYZ(22.5659, 12.8606,
25.3377)**

Conversions

Conversions Part 1

Format	Color
Hex	AB338A
RGB	171, 51, 138
RGB Percent	67%, 20%, 54%
CMY	0.3294, 0.8000, 0.4588
CMYK	0.00, 0.70, 0.19, 0.33
HSL	317°, 54%, 44%
HSV	317°, 70%, 67%
XYZ	22.5659, 12.8606, 25.3377
YIQ	96.7980, 43.5930, 52.4970

Conversions

Conversions Part 2

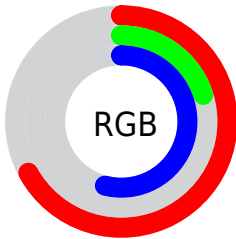
Format	Color
R_{YB}	171, 51, 138
Decimal	11219850
CIE _{Lab}	42.55, 57.22, -22.06
CIE _{LCh}	43, 61.330, 338.914
Yxy	12.8606, 0.3714, 0.2116
Android (android.graphics.Color)	4289409930 (0xFFAB338A)
YUV	96.7980, 20.3126, 65.0752
Hunter-Lab	35.8617, 49.5629, -16.7876

Details

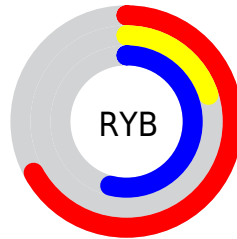
The XYZ color **22.5659, 12.8606, 25.3377** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **17.5291, 30.4703, 13.3465**, and the grayscale version is **11.2579, 11.8441, 12.8983**.

A 20% lighter version of the original color is **47.0852, 30.9792, 53.3671**, and **8.8317, 4.3494, 9.6066** is the 20% darker color. If you saturate the color by 10%, you get **21.6183, 11.4984, 23.3782**, and if you desaturate by 10%, it is **23.8038, 14.7794, 27.4669**.

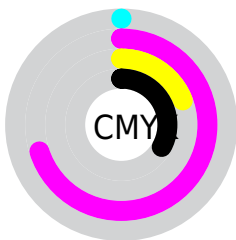
Distribution



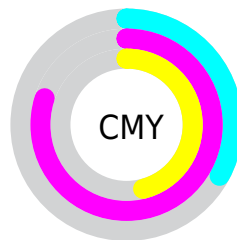
- Red (67%)
- Green (20%)
- Blue (54%)



- Red (67%)
- Yellow (20%)
- Blue (54%)



- Cyan (0%)
- Magenta (70%)
- Yellow (19%)
- Black (33%)



- Cyan (33%)
- Magenta (80%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5659, 12.8606, 25.3377 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 22.5659, 12.8606, 25.3377 by changing the saturation by 10% instead.

■ 22.5659, 12.8606,
25.3377

■ 22.5659, 12.8606,
25.3377

258.0646,
210.0223, 293.0169

■ 14.3922, 7.3326,
16.1075

■ 47.1515, 31.0531,
53.1754

■ 8.4775, 3.6710,
9.4451

■ 64.2941, 44.4865,
72.6201

■ 4.4563, 1.4913,
4.9319

■ 85.1570, 61.3237,
96.3066

■ 1.9634, 0.2826,
2.1493

■ 110.1057, 81.9492,
124.6536

■ 0.6133, 0.0000,
0.6449

■ 139.5055,
106.7475, 158.0796

■ 0.0000, 0.0000,
0.0000

■ 173.7216,

136.1028, 197.0031

213.1196,
170.3996, 241.8427

■ 22.5659, 12.8606,
25.3377

■ 22.5659, 12.8606,
25.3377

■ 21.6183, 11.4984,
23.3782

■ 23.8038, 14.7794,
27.4669

■ 20.9277, 10.6272,
21.5761

■ 25.3579, 17.3070,
29.7751

■ 20.4311, 10.1125,
19.9347

■ 27.2528, 20.4918,
32.2714

■ 29.5098, 24.3767,
34.9638

■ 32.1490, 29.0009,
37.8598

■ 35.1885, 34.4009,
40.9663

■ 38.6455, 40.6106,
44.2899

■ 42.5360, 47.6619,
47.8367

■ 46.8754, 55.5850,
51.6125

Harmonies

Analogous

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



18.7192, 12.8606, 44.7266



22.5659, 12.8606, 25.3377



23.3099, 12.8606, 10.4090

Triad

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



22.5659, 12.8606, 25.3377



10.8941, 12.8606, 0.8933



6.5183, 12.8606, 36.9302

Complementary

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



22.5659, 12.8606, 25.3377



17.5291, 30.4703, 13.3465

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.



5.3644, 12.8606, 18.3416



22.5659, 12.8606, 25.3377



7.4369, 12.8606, 2.0530

Square

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



22.5659, 12.8606, 25.3377



15.7181, 12.8606, 1.1381



5.6518, 12.8606, 6.6819



9.2898, 12.8606, 53.8635

Rectangle

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



22.5659, 12.8606, 25.3377



21.8010, 12.8606, 4.9332



5.6518, 12.8606, 6.6819



5.9648, 12.8606, 30.3218

Sweetspot

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



22.5663, 12.8612, 25.3379



56.9724, 50.8731, 67.1625



12.1026, 7.1478, 39.2702



12.4130, 10.8312, 14.6628



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.5663, 12.8612, 25.3379



38.0065, 19.6624, 40.1202



19.3903, 11.5909, 8.6135



8.2417, 8.1099, 9.5834



15.4249, 7.6325, 15.1490



0.4506, 0.2209, 0.5345

Inverse Universe

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



22.5663, 12.8612, 25.3379



38.0065, 19.6624, 40.1202



20.8867, 31.8133, 31.0272



8.2417, 8.1099, 9.5834



15.4249, 7.6325, 15.1490



0.4506, 0.2209, 0.5345

Previews

White Background



This preview shows how the XYZ color 22.5659, 12.8606, 25.3377 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 22.5659, 12.8606, 25.3377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

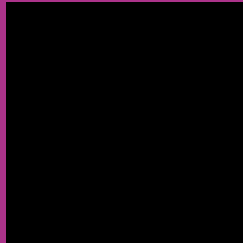
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.5659, 12.8606, 25.3377

Background



This preview shows how black text looks on a background with the XYZ color 22.5659, 12.8606, 25.3377.



This preview shows how white text looks on a background with the XYZ color 22.5659, 12.8606,

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

22.5659, 12.8606, 25.3377

Protanopia

14.6131, 13.2516, 42.8619

Deuteranopia

13.3732, 13.1859, 23.3130



Tritanopia

18.9432, 12.8741, 7.9651

Trichromacy



Original Color

22.5659, 12.8606, 25.3377

Protanomaly

15.3646, 11.6465, 35.6206

Deuteranomaly

15.4887, 11.9668, 24.0477

Tritanomaly

19.8715, 12.6336, 12.7004

Monochromacy



Original Color

22.5659, 12.8606, 25.3377

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

14.1055, 11.1923, 16.7461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5659, 12.8606, 25.3377 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(171, 51, 138)` looks like.

```
.text, #text, p{  
    color:rgb(171, 51, 138)  
}
```

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(171, 51, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 51, 138) }
```

Border

The CSS property to change the border of an element to XYZ 22.5659, 12.8606, 25.3377 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(171, 51, 138) }
```


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

```
.border{ border-color:rgb(171, 51, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 51, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 51, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 51, 138);  
box-shadow:4px 4px 4px 4px rgb(171, 51,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5659, 12.8606, 25.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 51, 138) }
```

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

```
.background{ background-color: rgb(171, 51,  
138) }
```

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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