

Converting Colors

XYZ(25.4796, 12.1923, 43.7930)

Have a look what the booklet for
XYZ(25.4796, 12.1923, 43.7930)
contains.

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Color

**XYZ(25.3703, 12.1389,
43.6537)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00B3
RGB	173, 0, 179
RGB Percent	68%, 0%, 70%
CMY	0.3216, 0.9999, 0.2980
CMYK	0.03, 1.00, 0.00, 0.30
HSL	298°, 100%, 35%
HSV	298°, 100%, 70%
XYZ	25.3703, 12.1389, 43.6537
YIQ	72.1330, 45.6490, 92.3450

Conversions

Conversions Part 2

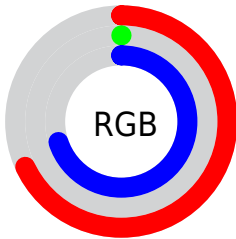
Format	Color
R_{YB}	173, 0, 179
Decimal	11337907
CIE Lab	41.44, 74.36, -48.45
CIE LCh	41, 88.753, 326.916
Yxy	12.1389, 0.3126, 0.1496
Android (android.graphics.Color)	4289527987 (0xFFAD00B3)
YUV	72.1330, 52.6854, 88.4604
Hunter-Lab	34.8409, 69.0077, -49.8984

Details

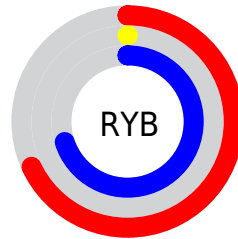
The XYZ color **25.3703, 12.1389, 43.6537** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **16.1955, 32.2792, 5.3774**, and the grayscale version is **6.0911, 6.4083, 6.9786**.

A 20% lighter version of the original color is **51.5226, 29.6510, 81.6049**, and **10.9041, 5.1937, 19.8298** is the 20% darker color. If you saturate the color by 10%, you get **25.3705, 12.1390, 43.6539**, and if you desaturate by 10%, it is **25.7186, 12.6376, 43.7318**.

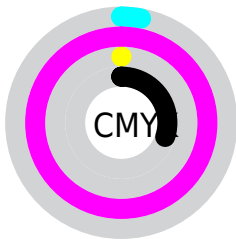
Distribution



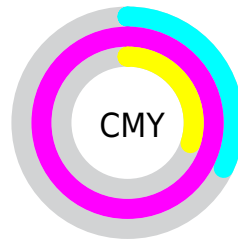
- Red (68%)
- Green (0%)
- Blue (70%)



- Red (68%)
- Yellow (0%)
- Blue (70%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (32%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3703, 12.1389, 43.6537 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 25.3703, 12.1389, 43.6537 by changing the saturation by 10% instead.


 25.3703, 12.1389,
43.6537

 25.3703, 12.1389,
43.6537


271.9908,
205.3227, 377.2932


 16.4834, 6.8383,
30.0632


 51.6959, 29.7478,
81.9933


 9.9598, 3.3612,
19.6341


 69.8653, 42.8250,
107.5794


 5.4344, 1.3231,
11.9479


 91.8595, 59.2632,
138.0012

 2.5417, 0.1590,
6.5861

 118.0439, 79.4467,
173.6771

 0.9163, 0.0000,
3.1301

 148.7839,
103.7600, 215.0257

 0.0000, 0.0000,
1.1615

 184.4448,

 0.0000, 0.0000,

132.5876, 262.4656

0.0000

225.3920,
166.3136, 316.4152

■ 25.3703, 12.1389,
43.6537

■ 25.3703, 12.1389,
43.6537

■ 25.3705, 12.1390,
43.6539

■ 25.7186, 12.6376,
43.7318

■ 26.2625, 13.5272,
43.8748

■ 27.0774, 14.9577,
44.1080

■ 28.1988, 17.0004,
44.4432

■ 29.6570, 19.7159,
44.8905

■ 31.4787, 23.1575,
45.4587

■ 33.6878, 27.3729,
46.1560

■ 36.3062, 32.4061,
46.9895

■ 39.3542, 38.2976,
47.9660

Harmonies

Analogous

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



18.1159, 12.1389, 76.9740



25.3703, 12.1389, 43.6537



28.8933, 12.1389, 15.2225

Triad

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



25.3703, 12.1389, 43.6537



12.2181, 12.1389, 0.0000



3.6332, 12.1389, 36.7145

Complementary

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



25.3703, 12.1389, 43.6537



16.1955, 32.2792, 5.3774

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.



3.0533, 12.1389, 11.3962



25.3703, 12.1389, 43.6537



6.7827, 12.1389, 0.0000

Square

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



25.3703, 12.1389, 43.6537



19.7230, 12.1389, 0.0000



3.9510, 12.1389, 1.7613



6.0033, 12.1389, 70.9504

Rectangle

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



25.3703, 12.1389, 43.6537



27.9468, 12.1389, 5.3389



3.9510, 12.1389, 1.7613



3.2722, 12.1389, 26.4889

Sweetspot

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



25.3708, 12.1395, 43.6539



60.1120, 48.5994, 82.5935



8.2342, 3.4494, 42.8798



12.9367, 10.0385, 18.1780



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



25.3708, 12.1395, 43.6539



45.3977, 21.7199, 78.1808



20.8169, 10.4746, 12.5935



8.8213, 8.6319, 10.7075



17.9394, 8.5839, 30.8483



0.5731, 0.2746, 0.9710

Inverse Universe

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



18.6236, 9.5973, 1.0436



33.3376, 17.1812, 1.7826



17.5891, 32.8279, 13.1076



8.5075, 8.5097, 8.9050



13.1650, 6.7835, 0.7627



0.4180, 0.2150, 0.0440

Previews

White Background



This preview shows how the XYZ color 25.3703, 12.1389, 43.6537 looks on a white background.

Color Contrast Check

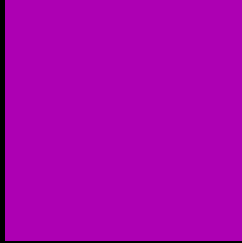
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3703, 12.1389, 43.6537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

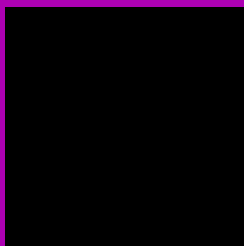
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.3703, 12.1389, 43.6537

Background



This preview shows how black text looks on a background with the XYZ color 25.3703, 12.1389, 43.6537.



This preview shows how white text looks on a background with the XYZ color 25.3703, 12.1389,

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

25.3703, 12.1389, 43.6537

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

13.1898, 12.8914, 38.8389



Tritanopia

18.1581, 12.4654, 8.1056

Trichromacy



Original Color

25.3703, 12.1389, 43.6537



Protanomaly

13.6228, 8.4421, 52.5413



Deuteranomaly

14.2096, 9.1867, 40.0540



Tritanomaly

19.4361, 11.0684, 16.7348

Monochromacy



Original Color

25.3703, 12.1389, 43.6537



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.1529, 6.3529, 15.7300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3703, 12.1389, 43.6537 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(173, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 179)  
}
```

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(173, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 25.3703, 12.1389, 43.6537 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(173, 0, 179) }
```


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

```
.border{ border-color:rgb(173, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3703, 12.1389, 43.6537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 179) }
```

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

```
.background{ background-color: rgb(173, 0,  
179) }
```

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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