

Converting Colors

XYZ(25.4918, 12.6124, 25.0959)

Have a look what the booklet for
XYZ(25.4918, 12.6124, 25.0959)
contains.

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Color

**XYZ(25.5737, 12.6538,
25.1393)**

Conversions

Conversions Part 1

Format	Color
Hex	BD008A
RGB	189, 0, 138
RGB Percent	74%, 0%, 54%
CMY	0.2588, 0.9999, 0.4588
CMYK	0.00, 1.00, 0.27, 0.26
HSL	316°, 100%, 37%
HSV	316°, 100%, 74%
XYZ	25.5737, 12.6538, 25.1393
YIQ	72.2430, 68.3460, 82.9860

Conversions

Conversions Part 2

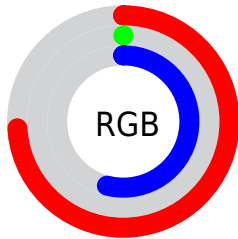
Format	Color
R_{YB}	189, 0, 138
Decimal	12386442
CIE _{Lab}	42.24, 71.77, -22.29
CIE _{LCh}	42, 75.151, 342.749
Yxy	12.6538, 0.4036, 0.1997
Android (android.graphics.Color)	4290576522 (0xFFBD008A)
YUV	72.2430, 32.4182, 102.3959
Hunter-Lab	35.5722, 66.0766, -17.0005

Details

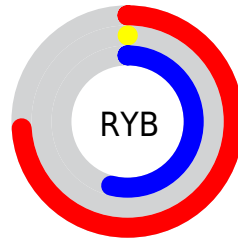
The XYZ color **25.5737, 12.6538, 25.1393** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.7962, 36.6348, 9.2160**, and the grayscale version is **6.1420, 6.4619, 7.0370**.

A 20% lighter version of the original color is **51.9091, 30.6011, 53.0399**, and **10.9674, 5.4504, 9.7065** is the 20% darker color. If you saturate the color by 10%, you get **25.5732, 12.6536, 25.1363**, and if you desaturate by 10%, it is **26.1836, 13.2685, 27.2078**.

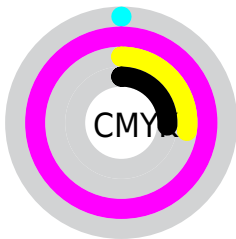
Distribution



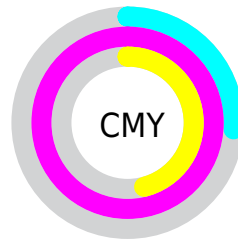
- Red (74%)
- Green (0%)
- Blue (54%)



- Red (74%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (26%)



- Cyan (26%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5737, 12.6538, 25.1393 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 25.5737, 12.6538, 25.1393 by changing the saturation by 10% instead.


 25.5737, 12.6538,
25.1393


 25.5737, 12.6538,
25.1393

272.9783,
208.6868, 292.0008


 16.6360, 7.1906,
15.9609


 52.0226, 30.6804,
52.8500


 10.0690, 3.5816,
9.3424


 70.2646, 44.0126,
72.2195


 5.5073, 1.4424,
4.8654

 92.3386, 60.7365,
95.8230

 2.5857, 0.2476,
2.1111

 118.6102, 81.2367,
124.0791

 0.9387, 0.0000,
0.6224

 149.4446,
105.8974, 157.4064

 0.0000, 0.0000,
0.0000

 185.2072,

135.1030, 196.2235

226.2633,
169.2381, 240.9487

■ 25.5737, 12.6538,
25.1393

■ 25.5737, 12.6538,
25.1393

■ 25.5732, 12.6536,
25.1363

■ 26.1836, 13.2685,
27.2078

■ 27.0353, 14.3388,
29.4436

■ 28.2110, 16.0284,
31.8752

■ 29.7517, 18.4195,
34.5174

■ 31.6925, 21.5814,
37.3830

■ 34.0640, 25.5751,
40.4832

■ 36.8938, 30.4557,
43.8283

■ 40.2072, 36.2732,
47.4277

■ 44.0276, 43.0741,
51.2903

Harmonies

Analogous

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



20.9503, 12.6538, 51.2687



25.5737, 12.6538, 25.1393



25.9386, 12.6538, 8.0164

Triad

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



25.5737, 12.6538, 25.1393



9.7973, 12.6538, 0.0000



5.7108, 12.6538, 47.2518

Complementary

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



25.5737, 12.6538, 25.1393



18.7962, 36.6348, 9.2160

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.



4.2683, 12.6538, 21.7944



25.5737, 12.6538, 25.1393



6.0839, 12.6538, 1.2587

Square

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



25.5737, 12.6538, 25.1393



15.5233, 12.6538, 0.0736



4.3794, 12.6538, 6.4891



9.0996, 12.6538, 69.4716

Rectangle

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



25.5737, 12.6538, 25.1393



23.5916, 12.6538, 2.9040



4.3794, 12.6538, 6.4891



5.0376, 12.6538, 38.2031

Sweetspot

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



25.5741, 12.6545, 25.1395



65.8053, 54.0737, 78.1886



10.5220, 4.3637, 48.4319



13.6733, 10.8004, 16.2612



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.



25.5741, 12.6545, 25.1395



45.6961, 22.6204, 44.4638



21.4436, 11.0023, 3.3885



9.8171, 9.6511, 11.4257



17.2396, 8.5270, 17.0873



0.7012, 0.3444, 0.8060

Inverse Universe

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



25.5741, 12.6545, 25.1395



45.6961, 22.6204, 44.4638



23.3017, 38.4369, 32.9415



9.8171, 9.6511, 11.4257



17.2396, 8.5270, 17.0873



0.7012, 0.3444, 0.8060

Previews

White Background



This preview shows how the XYZ color 25.5737, 12.6538, 25.1393 looks on a white background.

Color Contrast Check

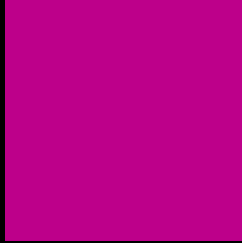
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5737, 12.6538, 25.1393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

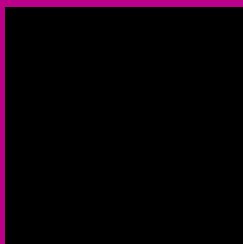
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.5737, 12.6538, 25.1393

Background



This preview shows how black text looks on a background with the XYZ color 25.5737, 12.6538, 25.1393.



This preview shows how white text looks on a background with the XYZ color 25.5737, 12.6538,

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

25.5737, 12.6538, 25.1393

Protanopia

15.5524, 13.4900, 54.0087

Deuteranopia

13.5566, 13.2960, 22.6208



Tritanopia

21.5861, 13.0010, 5.2426

Trichromacy



Original Color

25.5737, 12.6538, 25.1393



Protanomaly

14.5524, 9.2468, 41.5753



Deuteranomaly

15.3583, 10.1580, 22.9810



Tritanomaly

22.2593, 12.1302, 9.9723

Monochromacy



Original Color

25.5737, 12.6538, 25.1393



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.1585, 6.4434, 11.7746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5737, 12.6538, 25.1393 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(189, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 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(189, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 138) }
```

Border

The CSS property to change the border of an element to XYZ 25.5737, 12.6538, 25.1393 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(189, 0, 138) }
```


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

```
.border{ border-color:rgb(189, 0, 138) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5737, 12.6538, 25.1393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 138) }
```

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

```
.background{ background-color: rgb(189, 0,  
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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