

Converting Colors

XYZ(25.4941, 12.4214, 47.7954)

Have a look what the booklet for
XYZ(25.4941, 12.4214, 47.7954)
contains.

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Color

**XYZ(25.5323, 12.4238,
48.0660)**

Conversions

Conversions Part 1

Format	Color
Hex	A911BB
RGB	169, 17, 187
RGB Percent	66%, 7%, 73%
CMY	0.3372, 0.9333, 0.2667
CMYK	0.10, 0.91, 0.00, 0.27
HSL	294°, 83%, 40%
HSV	294°, 91%, 73%
XYZ	25.5323, 12.4238, 48.0660
YIQ	81.8280, 36.0220, 85.0940

Conversions

Conversions Part 2

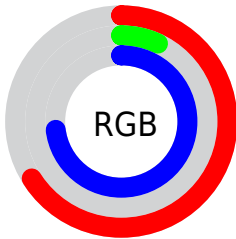
Format	Color
R _Y B	169, 17, 187
Decimal	11080123
CIE Lab	41.88, 73.13, -52.49
CIE LCh	42, 90.013, 324.330
Yxy	12.4238, 0.2968, 0.1444
Android (android.graphics.Color)	4289270203 (0xFFA911BB)
YUV	81.8280, 51.8498, 76.4498
Hunter-Lab	35.2474, 67.6177, -56.1791

Details

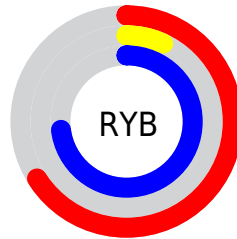
The XYZ color **25.5323, 12.4238, 48.0660** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.5651, 35.9388, 6.4892**, and the grayscale version is **7.8819, 8.2923, 9.0304**.

A 20% lighter version of the original color is **51.9802, 30.3380, 88.7041**, and **10.9157, 5.1382, 22.6067** is the 20% darker color. If you saturate the color by 10%, you get **24.9484, 11.8252, 47.9814**, and if you desaturate by 10%, it is **26.3825, 13.4881, 48.2268**.

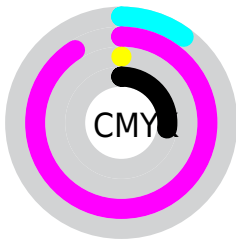
Distribution



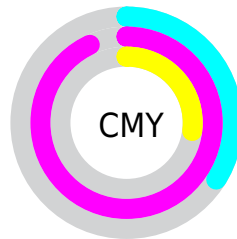
- Red (66%)
- Green (7%)
- Blue (73%)



- Red (66%)
- Yellow (7%)
- Blue (73%)



- Cyan (10%)
- Magenta (91%)
- Yellow (0%)
- Black (27%)





- Cyan (34%)
- Magenta (93%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5323, 12.4238, 48.0660 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 25.5323, 12.4238, 48.0660 by changing the saturation by 10% instead.

 25.5323, 12.4238,
48.0660


 25.5323, 12.4238,
48.0660


272.7776,
207.1911, 395.5699

 16.6049, 7.0330,
33.5188

 51.9562, 30.2647,
88.6692


 10.0468, 3.4827,
22.2498


 70.1834, 43.4835,
115.5623


 5.4925, 1.3887,
13.8405


 92.2412, 60.0805,
147.4078

 2.5767, 0.2083,
7.8723

 118.4950, 80.4400,
184.6242

 0.9341, 0.0000,
3.9268

 149.3102,
104.9464, 227.6301

 0.0000, 0.0000,
1.5853

 185.0522,

 0.0000, 0.0000,

133.9841, 276.8440

0.2803

226.0861,
167.9376, 332.6844

■ 0.0000, 0.0000,
0.0000

■ 25.5323, 12.4238,
48.0660

■ 25.5323, 12.4238,
48.0660

■ 24.9484, 11.8252,
47.9814

■ 26.3825, 13.4881,
48.2268

■ 27.5332, 15.1446,
48.4859

■ 29.0257, 17.4749,
48.8570

■ 30.8942, 20.5475,
49.3516

■ 33.1687, 24.4225,
49.9797

■ 35.8762, 29.1538,
50.7502

■ 39.0413, 34.7904,
51.6714

■ 42.6868, 41.3780,
52.7508

■ 46.8339, 48.9589,
53.9955

Harmonies

Analogous

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



17.8956, 12.4238, 81.8018



25.5323, 12.4238, 48.0660



29.6397, 12.4238, 17.4756

Triad

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



25.5323, 12.4238, 48.0660



13.1167, 12.4238, 0.0000



3.5715, 12.4238, 34.9061

Complementary

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



25.5323, 12.4238, 48.0660



18.5651, 35.9388, 6.4892

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.



3.1097, 12.4238, 10.2237



25.5323, 12.4238, 48.0660



7.2867, 12.4238, 0.0000

Square

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



25.5323, 12.4238, 48.0660



20.9392, 12.4238, 0.0000



4.1712, 12.4238, 1.4410



5.8136, 12.4238, 70.3758

Rectangle

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



25.5323, 12.4238, 48.0660



29.0250, 12.4238, 6.3397



4.1712, 12.4238, 1.4410



3.2494, 12.4238, 24.7602

Sweetspot

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



25.5328, 12.4243, 48.0663



66.1239, 55.5254, 91.4338



9.8578, 5.0206, 47.4634



14.1543, 11.5064, 20.0175



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.



25.5328, 12.4243, 48.0663



44.5612, 21.1164, 85.9286



24.1970, 12.3672, 19.4716



9.8278, 9.6436, 12.0156



17.2260, 8.1664, 33.0613



0.7037, 0.3348, 1.2964

Inverse Universe

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



20.9977, 11.0875, 2.6243



36.8864, 18.9945, 2.6791



19.5314, 36.2719, 13.9892



9.5701, 9.5524, 10.1253



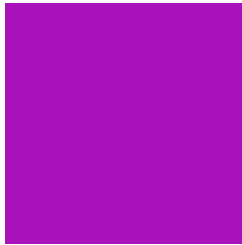
14.2194, 7.3189, 1.1829



0.5709, 0.2922, 0.1194

Previews

White Background



This preview shows how the XYZ color 25.5323, 12.4238, 48.0660 looks on a white background.

Color Contrast Check

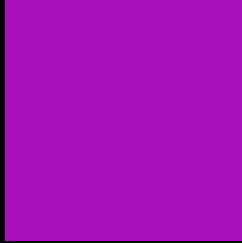
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5323, 12.4238, 48.0660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

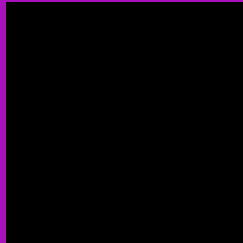
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.5323, 12.4238, 48.0660

Background



This preview shows how black text looks on a background with the XYZ color 25.5323, 12.4238, 48.0660.



This preview shows how white text looks on a background with the XYZ color 25.5323, 12.4238,

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

25.5323, 12.4238, 48.0660

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

13.2810, 12.9947, 42.8825



Tritanopia

17.6070, 12.5447, 9.0828

Trichromacy



Original Color

25.5323, 12.4238, 48.0660



Protanomaly

14.1846, 9.2036, 54.4549



Deuteranomaly

14.1476, 9.6866, 44.3041



Tritanomaly

19.3008, 11.4552, 18.6466

Monochromacy



Original Color

25.5323, 12.4238, 48.0660



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

11.8427, 7.9596, 18.6815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5323, 12.4238, 48.0660 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(169, 17, 187)` looks like.

```
.text, #text, p{  
    color:rgb(169, 17, 187)  
}
```

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(169, 17, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 17, 187) }
```

Border

The CSS property to change the border of an element to XYZ 25.5323, 12.4238, 48.0660 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(169, 17, 187) }
```


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

```
.border{ border-color:rgb(169, 17, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 17, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 17, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 17, 187);  
box-shadow:4px 4px 4px 4px rgb(169, 17,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5323, 12.4238, 48.0660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 17, 187) }
```

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

```
.background{ background-color: rgb(169, 17,  
187) }
```

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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