

Converting Colors

XYZ(25.3008, 12.8718, 39.2715)

Have a look what the booklet for
XYZ(25.3008, 12.8718, 39.2715)
contains.

XYZ(25.3743, 12.8950, 39.1818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.3743, 12.8950,
39.1818)**

Conversions

Conversions Part 1

Format	Color
Hex	AF1DAA
RGB	175, 29, 170
RGB Percent	69%, 11%, 67%
CMY	0.3137, 0.8862, 0.3333
CMYK	0.00, 0.83, 0.03, 0.31
HSL	302°, 72%, 40%
HSV	302°, 83%, 69%
XYZ	25.3743, 12.8950, 39.1818
YIQ	88.7280, 41.7550, 74.8030

Conversions

Conversions Part 2

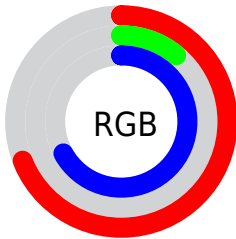
Format	Color
R_{YB}	175, 29, 170
Decimal	11476394
CIE _{Lab}	42.60, 69.34, -41.21
CIE _{LCh}	43, 80.667, 329.275
Yxy	12.8950, 0.3276, 0.1665
Android (android.graphics.Color)	4289666474 (0xFFAF1DAA)
YUV	88.7280, 40.0671, 75.6605
Hunter-Lab	35.9096, 63.2891, -39.5560

Details

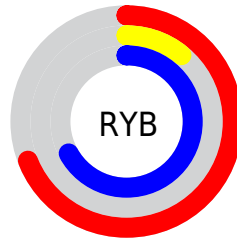
The XYZ color **25.3743, 12.8950, 39.1818** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.1261, 31.0373, 6.6551**, and the grayscale version is **9.3448, 9.8315, 10.7065**.

A 20% lighter version of the original color is **51.7514, 31.1678, 75.2399**, and **10.6821, 5.1359, 17.2579** is the 20% darker color. If you saturate the color by 10%, you get **25.0042, 12.2450, 38.7794**, and if you desaturate by 10%, it is **25.9891, 14.0332, 39.6673**.

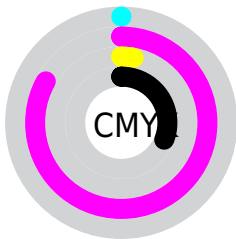
Distribution



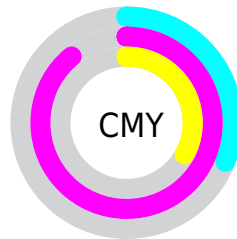
- Red (69%)
- Green (11%)
- Blue (67%)



- Red (69%)
- Yellow (11%)
- Blue (67%)



- Cyan (0%)
- Magenta (83%)
- Yellow (3%)
- Black (31%)



- Cyan (31%)
- Magenta (89%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3743, 12.8950, 39.1818 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 25.3743, 12.8950, 39.1818 by changing the saturation by 10% instead.

■ 25.3743, 12.8950,
39.1818

■ 25.3743, 12.8950,
39.1818

272.0103,
210.2436, 358.1118

■ 16.4864, 7.3563,
26.5923

■ 51.7023, 31.1150,
75.1394

■ 9.9620, 3.6859,
17.0375

■ 69.8731, 44.5651,
99.3445

■ 5.4358, 1.4995,
10.0990

■ 91.8689, 61.4211,
128.2585

■ 2.5425, 0.2883,
5.3582

■ 118.0551, 82.0674,
162.3001

■ 0.9168, 0.0000,
2.3965

■ 148.7969,
106.8884, 201.8876

■ 0.0000, 0.0000,
0.7846

■ 184.4598,

■ 0.0000, 0.0000,

136.2685, 247.4397

0.0000

225.4092,
170.5922, 299.3750

■ 25.3743, 12.8950,
39.1818

■ 25.3743, 12.8950,
39.1818

■ 25.0042, 12.2450,
38.7794

■ 25.9891, 14.0332,
39.6673

■ 24.8415, 11.9789,
38.5422

■ 26.8831, 15.7299,
40.2470

■ 28.0870, 18.0459,
40.9313

■ 29.6270, 21.0336,
41.7289

■ 31.5265, 24.7399,
42.6476

■ 33.8068, 29.2075,
43.6946

■ 36.4876, 34.4757,
44.8763

■ 39.5873, 40.5812,
46.1990

■ 43.1230, 47.5583,
47.6682

Harmonies

Analogous

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



18.9414, 12.8950, 68.5415



25.3743, 12.8950, 39.1818



28.1452, 12.8950, 14.4701

Triad

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



25.3743, 12.8950, 39.1818



12.4054, 12.8950, 0.0000



4.6023, 12.8950, 37.7397

Complementary

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



25.3743, 12.8950, 39.1818



16.1261, 31.0373, 6.6551

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.



3.8655, 12.8950, 13.6194



25.3743, 12.8950, 39.1818



7.3645, 12.8950, 0.2162

Square

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



25.3743, 12.8950, 39.1818



19.2873, 12.8950, 0.2875



4.6800, 12.8950, 2.9147



7.1828, 12.8950, 67.3248

Rectangle

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



25.3743, 12.8950, 39.1818



27.0166, 12.8950, 5.6082



4.6800, 12.8950, 2.9147



4.1781, 12.8950, 28.3237

Sweetspot

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



25.3748, 12.8956, 39.1821



59.6689, 50.5885, 77.8585



8.8332, 4.3124, 40.9249



12.9428, 10.6181, 17.1591



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.3748, 12.8956, 39.1821



44.4721, 21.4465, 68.9349



20.2832, 10.8590, 12.3703



8.3250, 8.1433, 10.0225



17.7944, 8.5803, 27.6263



0.4986, 0.2401, 0.7874

Inverse Universe

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



25.3748, 12.8956, 39.1821



44.4721, 21.4465, 68.9349



18.4843, 31.9806, 19.0733



8.3250, 8.1433, 10.0225



17.7944, 8.5803, 27.6263



0.4986, 0.2401, 0.7874

Previews

White Background



This preview shows how the XYZ color 25.3743, 12.8950, 39.1818 looks on a white background.

Color Contrast Check

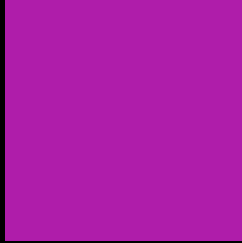
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3743, 12.8950, 39.1818 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 25.3743, 12.8950, 39.1818

Background



This preview shows how black text looks on a background with the XYZ color 25.3743, 12.8950, 39.1818.



This preview shows how white text looks on a background with the XYZ color 25.3743, 12.8950,

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

25.3743, 12.8950, 39.1818

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.6223, 13.3429, 35.1152



Tritanopia

19.0403, 13.0138, 8.1650

Trichromacy



Original Color

25.3743, 12.8950, 39.1818



Protanomaly

14.2345, 9.7501, 52.1707



Deuteranomaly

15.4013, 10.9006, 36.4143



Tritanomaly

20.5908, 12.3892, 16.0579

Monochromacy



Original Color

25.3743, 12.8950, 39.1818



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

13.0229, 9.3154, 18.2512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3743, 12.8950, 39.1818 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(175, 29, 170)` looks like.

```
.text, #text, p{  
  color:rgb(175, 29, 170)  
}
```

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(175, 29, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 29, 170) }
```

Border

The CSS property to change the border of an element to XYZ 25.3743, 12.8950, 39.1818 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(175, 29, 170) }
```


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

```
.border{ border-color:rgb(175, 29, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 29, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 29, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 29, 170);  
box-shadow:4px 4px 4px 4px rgb(175, 29,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3743, 12.8950, 39.1818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 29, 170) }
```

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

```
.background{ background-color: rgb(175, 29,  
170) }
```

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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