

Converting Colors

XYZ(25.7575, 12.8041, 42.2889)

Have a look what the booklet for
XYZ(25.7575, 12.8041, 42.2889)
contains.

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Color

**XYZ(25.8026, 12.8224,
42.1893)**

Conversions

Conversions Part 1

Format	Color
Hex	AF16B0
RGB	175, 22, 176
RGB Percent	69%, 9%, 69%
CMY	0.3137, 0.9137, 0.3098
CMYK	0.01, 0.87, 0.00, 0.31
HSL	300°, 78%, 39%
HSV	300°, 87%, 69%
XYZ	25.8026, 12.8224, 42.1893
YIQ	85.3030, 41.7540, 80.3300

Conversions

Conversions Part 2

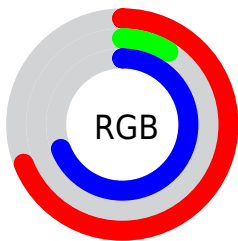
Format	Color
RYB	175, 22, 176
Decimal	11474608
CIELab	42.49, 71.62, -44.95
CIELCh	42, 84.560, 327.885
Yxy	12.8224, 0.3193, 0.1587
Android (android.graphics.Color)	4289664688 (0xFFAF16B0)
YUV	85.3030, 44.7136, 78.6643
Hunter-Lab	35.8084, 65.9579, -44.7894

Details

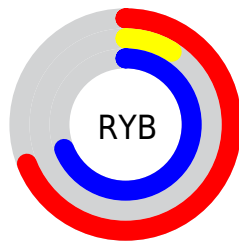
The XYZ color **25.8026, 12.8224, 42.1893** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.0239, 31.2911, 5.9549**, and the grayscale version is **8.6027, 9.0507, 9.8562**.

A 20% lighter version of the original color is **52.3243, 30.9729, 79.5645**, and **11.0464, 5.2816, 19.1761** is the 20% darker color. If you saturate the color by 10%, you get **25.5382, 12.3313, 42.1086**, and if you desaturate by 10%, it is **26.2874, 13.7535, 42.3436**.

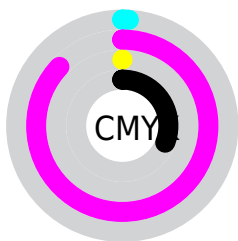
Distribution



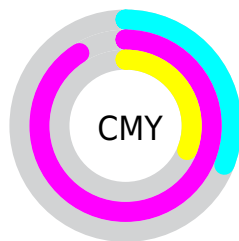
- Red (69%)
- Green (9%)
- Blue (69%)



- Red (69%)
- Yellow (9%)
- Blue (69%)



- Cyan (1%)
- Magenta (87%)
- Yellow (0%)
- Black (31%)





- Cyan (31%)
- Magenta (91%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8026, 12.8224, 42.1893 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 25.8026, 12.8224, 42.1893 by changing the saturation by 10% instead.


 25.8026, 12.8224,
42.1893


 25.8026, 12.8224,
42.1893


274.0862,
209.7763, 371.0898


 16.8079, 7.3064,
28.9229


 52.3899, 30.9843,
79.7592


 10.1921, 3.6544,
18.7774


 70.7132, 44.3990,
104.8998


 5.5898, 1.4822,
11.3344


 92.8768, 61.2154,
134.8355

 2.6355, 0.2761,
6.1752

 119.2460, 81.8179,
169.9849

 0.9641, 0.0000,
2.8814

 150.1862,
106.5908, 210.7664

 0.0000, 0.0000,
1.0344

 186.0628,

 0.0000, 0.0000,

135.9186, 257.5988

0.0000

227.2410,
170.1856, 310.9004

■ 25.8026, 12.8224,
42.1893

■ 25.8026, 12.8224,
42.1893

■ 25.5382, 12.3313,
42.1086

■ 26.2874, 13.7535,
42.3436

■ 25.4839, 12.2322,
42.0923

■ 27.0409, 15.2224,
42.5875

■ 28.0963, 17.2951,
42.9319

■ 29.4816, 20.0276,
43.3863

■ 31.2217, 23.4695,
43.9589

■ 33.3389, 27.6656,
44.6573

■ 35.8538, 32.6573,
45.4882

■ 38.7856, 38.4826,
46.4581

■ 42.1522, 45.1774,
47.5729

Harmonies

Analogous

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



18.8688, 12.8224, 73.6885



25.8026, 12.8224, 42.1893



29.0068, 12.8224, 15.2983

Triad

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



25.8026, 12.8224, 42.1893



12.6456, 12.8224, 0.0000



4.2444, 12.8224, 37.6682

Complementary

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



25.8026, 12.8224, 42.1893



16.0239, 31.2911, 5.9549

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.



3.5816, 12.8224, 12.7048



25.8026, 12.8224, 42.1893



7.3049, 12.8224, 0.0000

Square

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



25.8026, 12.8224, 42.1893



19.9376, 12.8224, 0.1151



4.4724, 12.8224, 2.3772



6.7616, 12.8224, 69.8283

Rectangle

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



25.8026, 12.8224, 42.1893



27.9778, 12.8224, 5.7153



4.4724, 12.8224, 2.3772



3.8461, 12.8224, 27.7614

Sweetspot

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



25.8031, 12.8230, 42.1896



60.9048, 51.0475, 81.1384



8.5063, 3.9827, 41.3949



12.8961, 10.4620, 17.4840



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.



25.8031, 12.8230, 42.1896



46.2112, 22.1809, 76.3410



20.5688, 10.7553, 13.4514



8.8445, 8.6439, 10.7086



18.7000, 8.9760, 30.8839



0.5901, 0.2833, 0.9718

Inverse Universe

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



18.3465, 9.8663, 1.7486



32.4810, 16.7436, 1.5627



17.9882, 32.0741, 16.4157



8.4985, 8.5061, 8.8577



13.1423, 6.7745, 0.6434



0.4142, 0.2134, 0.0241

Previews

White Background



This preview shows how the XYZ color 25.8026, 12.8224, 42.1893 looks on a white background.

Color Contrast Check

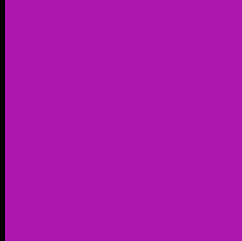
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8026, 12.8224, 42.1893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

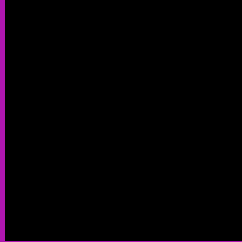
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.8026, 12.8224, 42.1893

Background



This preview shows how black text looks on a background with the XYZ color 25.8026, 12.8224, 42.1893.



This preview shows how white text looks on a background with the XYZ color 25.8026, 12.8224,

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

25.8026, 12.8224, 42.1893

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.6209, 13.2800, 37.9218



Tritanopia

18.8676, 12.9208, 8.3370

Trichromacy



Original Color

25.8026, 12.8224, 42.1893



Protanomaly

14.2683, 9.4558, 53.2977



Deuteranomaly

15.2318, 10.5509, 39.2639



Tritanomaly

20.3462, 12.0409, 16.5810

Monochromacy



Original Color

25.8026, 12.8224, 42.1893



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

12.4639, 8.6048, 18.1435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8026, 12.8224, 42.1893 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, 22, 176)` looks like.

```
.text, #text, p{  
    color:rgb(175, 22, 176)  
}
```

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, 22, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 22, 176) }
```

Border

The CSS property to change the border of an element to XYZ 25.8026, 12.8224, 42.1893 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, 22, 176) }
```


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

```
.border{ border-color:rgb(175, 22, 176) }
```

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

Here you see how a box with a 4 pixel rgb(175, 22, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 22, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 22, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 22,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8026, 12.8224, 42.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 22, 176) }
```

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

```
.background{ background-color: rgb(175, 22,  
176) }
```

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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