

Converting Colors

XYZ(25.8117, 12.5274, 36.4051)

Have a look what the booklet for
XYZ(25.8117, 12.5274, 36.4051)
contains.

| | |
|--|----|
| XYZ(25.7569, 12.5041, 36.1780) | 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(25.7569, 12.5041,
36.1780)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B500A4 |
| RGB | 181, 0, 164 |
| RGB Percent | 71%, 0%, 64% |
| CMY | 0.2902, 0.9999, 0.3569 |
| CMYK | 0.00, 1.00, 0.09, 0.29 |
| HSL | 306°, 100%, 35% |
| HSV | 306°, 100%, 71% |
| XYZ | 25.7569, 12.5041, 36.1780 |
| YIQ | 72.8150, 55.2320, 89.3760 |

Conversions

Conversions Part 2

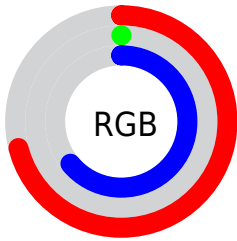
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 181, 0, 164 |
| Decimal | 11862180 |
| CIELab | 42.01, 73.53, -38.51 |
| CIElCh | 42, 83.008, 332.357 |
| Yxy | 12.5041, 0.3460, 0.1680 |
| Android (android.graphics.Color) | 4290052260 (0xFFB500A4) |
| YUV | 72.8150, 44.9542, 94.8782 |
| Hunter-Lab | 35.3611, 68.1366, -35.9068 |

Details

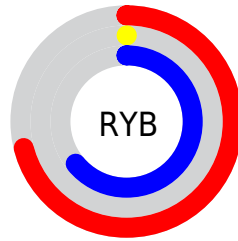
The XYZ color **25.7569, 12.5041, 36.1780** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.6257, 33.0888, 6.0418**, and the grayscale version is **6.2206, 6.5446, 7.1270**.

A 20% lighter version of the original color is **52.5217, 30.5237, 70.8336**, and **11.0930, 5.3808, 15.7832** is the 20% darker color. If you saturate the color by 10%, you get **25.7569, 12.5041, 36.1771**, and if you desaturate by 10%, it is **26.1301, 13.0027, 37.0652**.

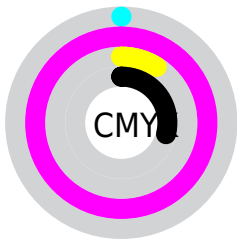
Distribution



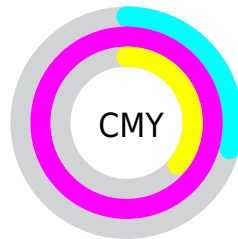
- Red (71%)
- Green (0%)
- Blue (64%)



- Red (71%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7569, 12.5041, 36.1780 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 25.7569, 12.5041, 36.1780 by changing the saturation by 10% instead.

 25.7569, 12.5041,
36.1780


 25.7569, 12.5041,
36.1780


273.8653,
207.7146, 344.7988


 16.7736, 7.0880,
24.2809


 52.3166, 30.4100,
70.4789


 10.1675, 3.5172,
15.3280


 70.6237, 43.6685,
93.7197


 5.5733, 1.4073,
8.9007


 92.7695, 60.3099,
121.5789

 2.6256, 0.2221,
4.5806

 119.1192, 80.7186,
154.4750

 0.9590, 0.0000,
1.9489

 150.0383,
105.2791, 192.8264

 0.0000, 0.0000,
0.5236

 185.8921,

 0.0000, 0.0000,

134.3756, 237.0519

0.0000

227.0460,
168.3927, 287.5698

■ 25.7569, 12.5041,
36.1780

■ 25.7569, 12.5041,
36.1780

■ 25.7569, 12.5041,
36.1771

■ 26.1301, 13.0027,
37.0652

■ 26.7061, 13.9041,
38.0300

■ 27.5615, 15.3608,
39.0982

■ 28.7329, 17.4463,
40.2820

■ 30.2515, 20.2228,
41.5918

■ 32.1446, 23.7450,
43.0367

■ 34.4368, 28.0622,
44.6251

■ 37.1508, 33.2194,
46.3645

■ 40.3074, 39.2583,
48.2617

Harmonies

Analogous

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



19.4121, 12.5041, 67.0220



25.7569, 12.5041, 36.1780



28.0689, 12.5041, 12.2679

Triad

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



25.7569, 12.5041, 36.1780



11.4047, 12.5041, 0.0000



4.4277, 12.5041, 41.0104

Complementary

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



25.7569, 12.5041, 36.1780



16.6257, 33.0888, 6.0418

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.



3.5471, 12.5041, 15.0569



25.7569, 12.5041, 36.1780



6.6087, 12.5041, 0.1612

Square

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



25.7569, 12.5041, 36.1780



18.2662, 12.5041, 0.0000



4.1804, 12.5041, 3.1656



7.1953, 12.5041, 71.1373

Rectangle

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



25.7569, 12.5041, 36.1780



26.5374, 12.5041, 4.3626



4.1804, 12.5041, 3.1656



3.9547, 12.5041, 31.0089

Sweetspot

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



25.7574, 12.5047, 36.1782



61.4459, 49.8247, 79.7692



8.5395, 3.4392, 43.9302



12.8969, 10.0444, 16.9804



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.



25.7574, 12.5047, 36.1782



46.0838, 22.3761, 64.5501



20.3413, 10.3383, 7.6576



8.8149, 8.6327, 10.5238



17.7699, 8.6255, 25.0120



0.5690, 0.2754, 0.8393

Inverse Universe

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



25.7574, 12.5047, 36.1782



46.0838, 22.3761, 64.5501



19.1048, 34.0804, 19.0964



8.8149, 8.6327, 10.5238



17.7699, 8.6255, 25.0120



0.5690, 0.2754, 0.8393

Previews

White Background



This preview shows how the XYZ color 25.7569, 12.5041, 36.1780 looks on a white background.

Color Contrast Check

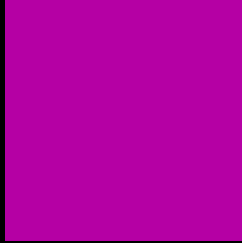
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7569, 12.5041, 36.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

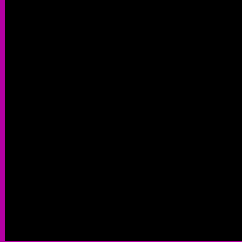
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.7569, 12.5041, 36.1780

Background



This preview shows how black text looks on a background with the XYZ color 25.7569, 12.5041, 36.1780.



This preview shows how white text looks on a background with the XYZ color 25.7569, 12.5041,

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

25.7569, 12.5041, 36.1780

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.4669, 13.1770, 32.4055



Tritanopia

19.8900, 12.8548, 6.9017

Trichromacy



Original Color

25.7569, 12.5041, 36.1780



Protanomaly

13.4838, 8.4093, 50.7816



Deuteranomaly

14.9444, 9.7128, 33.4349



Tritanomaly

20.9203, 11.6791, 13.9836

Monochromacy



Original Color

25.7569, 12.5041, 36.1780



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.2606, 6.4393, 14.3378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7569, 12.5041, 36.1780 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(181, 0, 164)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 164)  
}
```

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(181, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 164) }
```

Border

The CSS property to change the border of an element to XYZ 25.7569, 12.5041, 36.1780 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(181, 0, 164) }
```


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

```
.border{ border-color:rgb(181, 0, 164) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7569, 12.5041, 36.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 164) }
```

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

```
.background{ background-color: rgb(181, 0,  
164) }
```

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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