

Converting Colors

XYZ(24.9452, 12.1123, 34.9361)

Have a look what the booklet for
XYZ(24.9452, 12.1123, 34.9361)
contains.

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Color

**XYZ(25.0234, 12.1569,
34.7459)**

Conversions

Conversions Part 1

Format	Color
Hex	B300A1
RGB	179, 0, 161
RGB Percent	70%, 0%, 63%
CMY	0.2980, 0.9999, 0.3686
CMYK	0.00, 1.00, 0.10, 0.30
HSL	306°, 100%, 35%
HSV	306°, 100%, 70%
XYZ	25.0234, 12.1569, 34.7459
YIQ	71.8750, 55.0030, 88.0190

Conversions

Conversions Part 2

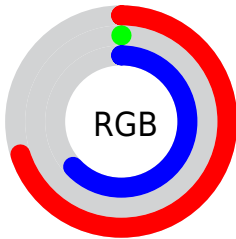
Format	Color
RYB	179, 0, 161
Decimal	11731105
CIELab	41.46, 72.77, -37.59
CIELCh	41, 81.906, 332.677
Yxy	12.1569, 0.3479, 0.1690
Android (android.graphics.Color)	4289921185 (0xFFB300A1)
YUV	71.8750, 43.9386, 93.9486
Hunter-Lab	34.8667, 67.0903, -34.6778

Details

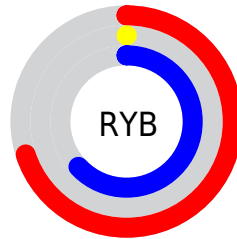
The XYZ color **25.0234, 12.1569, 34.7459** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.2299, 32.2844, 5.9494**, and the grayscale version is **6.0610, 6.3766, 6.9442**.

A 20% lighter version of the original color is **51.2398, 29.8056, 68.0182**, and **10.6455, 5.1691, 14.9046** is the 20% darker color. If you saturate the color by 10%, you get **25.0234, 12.1569, 34.7450**, and if you desaturate by 10%, it is **25.3986, 12.6511, 35.6600**.

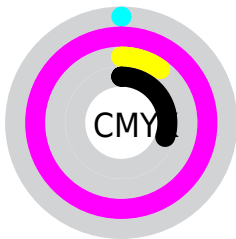
Distribution



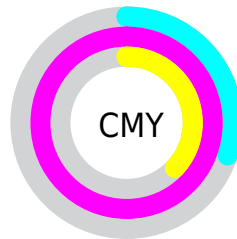
- Red (70%)
- Green (0%)
- Blue (63%)



- Red (70%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0234, 12.1569, 34.7459 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 25.0234, 12.1569, 34.7459 by changing the saturation by 10% instead.


 25.0234, 12.1569,
34.7459


 25.0234, 12.1569,
34.7459


270.2999,
205.4413, 338.3154


 16.2233, 6.8506,
23.1852


 51.1378, 29.7805,
68.2390

 9.7742, 3.3689,
14.5237

 69.1828, 42.8667,
91.0086


 5.3106, 1.3272,
8.3429


 91.0402, 59.3150,
118.3515

 2.4672, 0.1621,
4.2243

 117.0753, 79.5097,
150.6863

 0.8788, 0.0000,
1.7492

 147.6535,
103.8353, 188.4316

 0.0000, 0.0000,
0.3941

 183.1401,

 0.0000, 0.0000,

132.6761, 232.0058

0.0000

223.9004,
166.4167, 281.8276

■ 25.0234, 12.1569,
34.7459

■ 25.0234, 12.1569,
34.7459

■ 25.0234, 12.1569,
34.7450

■ 25.3986, 12.6511,
35.6600

■ 25.9713, 13.5370,
36.6512

■ 26.8167, 14.9643,
37.7446

■ 27.9703, 17.0046,
38.9523

■ 29.4625, 19.7183,
40.2842

■ 31.3199, 23.1586,
41.7494

■ 33.5664, 27.3735,
43.3558

■ 36.2241, 32.4068,
45.1109

■ 39.3131, 38.2991,
47.0214

Harmonies

Analogous

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



18.9142, 12.1569, 64.5568



25.0234, 12.1569, 34.7459



27.2035, 12.1569, 11.7619

Triad

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



25.0234, 12.1569, 34.7459



11.0276, 12.1569, 0.0000



4.3427, 12.1569, 40.0487

Complementary

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



25.0234, 12.1569, 34.7459



16.2299, 32.2844, 5.9494

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.



3.4704, 12.1569, 14.8301



25.0234, 12.1569, 34.7459



6.4052, 12.1569, 0.1782

Square

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



25.0234, 12.1569, 34.7459



17.6551, 12.1569, 0.0000



4.0698, 12.1569, 3.1631



7.0516, 12.1569, 69.0677

Rectangle

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



25.0234, 12.1569, 34.7459



25.6865, 12.1569, 4.1856



4.0698, 12.1569, 3.1631



3.8771, 12.1569, 30.3558

Sweetspot

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



25.0239, 12.1575, 34.7461



59.8893, 48.5973, 77.4927



8.3850, 3.3830, 42.8592



12.8811, 10.0381, 16.8971



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.



25.0239, 12.1575, 34.7461



44.7680, 21.7534, 61.9742



19.7479, 10.0471, 6.9635



8.8125, 8.6317, 10.5109



17.6963, 8.5961, 24.6244



0.5673, 0.2747, 0.8303

Inverse Universe

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



25.0239, 12.1575, 34.7461



44.7680, 21.7534, 61.9742



18.7960, 33.3108, 19.4621



8.8125, 8.6317, 10.5109



17.6963, 8.5961, 24.6244



0.5673, 0.2747, 0.8303

Previews

White Background



This preview shows how the XYZ color 25.0234, 12.1569, 34.7459 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

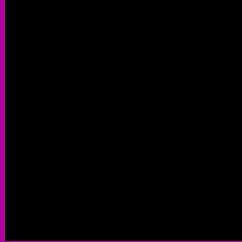
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.0234, 12.1569, 34.7459

Background



This preview shows how black text looks on a background with the XYZ color 25.0234, 12.1569, 34.7459.



This preview shows how white text looks on a background with the XYZ color 25.0234, 12.1569,

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

25.0234, 12.1569, 34.7459

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

13.1236, 12.8852, 31.0736



Tritanopia

19.3682, 12.5063, 6.7033

Trichromacy



Original Color

25.0234, 12.1569, 34.7459



Protanomaly

13.0879, 8.2432, 49.0454



Deuteranomaly

14.5598, 9.5441, 32.0851



Tritanomaly

20.3413, 11.3414, 13.4289

Monochromacy



Original Color

25.0234, 12.1569, 34.7459



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.0312, 6.3330, 13.7904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0234, 12.1569, 34.7459 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(179, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 161)  
}
```

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(179, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 25.0234, 12.1569, 34.7459 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(179, 0, 161) }
```


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

```
.border{ border-color:rgb(179, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0234, 12.1569, 34.7459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 161) }
```

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

```
.background{ background-color: rgb(179, 0,  
161) }
```

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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