

Converting Colors

XYZ(25.6349, 12.1580, 48.9692)

Have a look what the booklet for
XYZ(25.6349, 12.1580, 48.9692)
contains.

XYZ(25.7629, 12.2202, 49.1450)	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(25.7629, 12.2202,
49.1450)**

Conversions

Conversions Part 1

Format	Color
Hex	AA00BD
RGB	170, 0, 189
RGB Percent	67%, 0%, 74%
CMY	0.3333, 0.9999, 0.2588
CMYK	0.10, 1.00, 0.00, 0.26
HSL	294°, 100%, 37%
HSV	294°, 100%, 74%
XYZ	25.7629, 12.2202, 49.1450
YIQ	72.3760, 40.6510, 94.8190

Conversions

Conversions Part 2

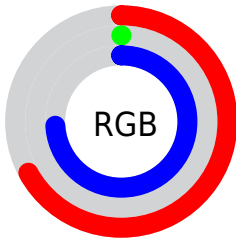
Format	Color
R_{YB}	170, 0, 189
Decimal	11141309
CIE _{Lab}	41.56, 75.46, -54.17
CIE _{LCh}	42, 92.893, 324.330
Yxy	12.2202, 0.2957, 0.1403
Android (android.graphics.Color)	4289331389 (0xFFAA00BD)
YUV	72.3760, 57.4956, 85.6162
Hunter-Lab	34.9574, 70.3754, -58.8829

Details

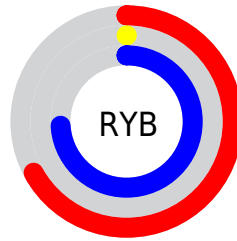
The XYZ color **25.7629, 12.2202, 49.1450** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.4666, 36.5340, 6.0789**, and the grayscale version is **6.1253, 6.4443, 7.0178**.

A 20% lighter version of the original color is **52.1962, 29.8088, 90.1914**, and **11.0553, 5.1940, 23.3415** is the 20% darker color. If you saturate the color by 10%, you get **25.7629, 12.2202, 49.1452**, and if you desaturate by 10%, it is **26.4085, 12.8966, 49.2417**.

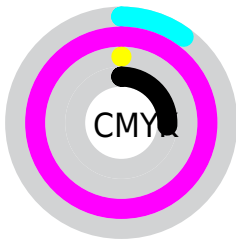
Distribution



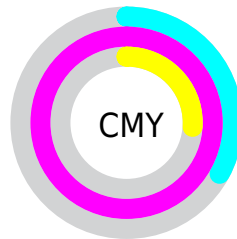
- Red (67%)
- Green (0%)
- Blue (74%)



- Red (67%)
- Yellow (0%)
- Blue (74%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)





- Cyan (33%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7629, 12.2202, 49.1450 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 25.7629, 12.2202, 49.1450 by changing the saturation by 10% instead.


 25.7629, 12.2202,
49.1450


 25.7629, 12.2202,
49.1450

273.8943,
205.8577, 399.9517


 16.7781, 6.8938,
34.3681


 52.3262, 29.8955,
90.2900


 10.1707, 3.3958,
22.8969


 70.6355, 43.0133,
117.4952


 5.5754, 1.3417,
14.3128


 92.7836, 59.4969,
149.6802

 2.6269, 0.1731,
8.1973

 119.1359, 79.7309,
187.2636

 0.9597, 0.0000,
4.1319

 150.0577,
104.0995, 230.6639

 0.0000, 0.0000,
1.6980

 185.9145,

 0.0000, 0.0000,

132.9873, 280.2997

0.3593

227.0716,
166.7785, 336.5894

■ 0.0000, 0.0000,
0.0000

■ 25.7629, 12.2202,
49.1450

■ 25.7629, 12.2202,
49.1450

■ 25.7629, 12.2202,
49.1452

■ 26.4085, 12.8966,
49.2417

■ 27.2840, 14.0246,
49.4133

■ 28.4716, 15.7678,
49.6872

■ 30.0123, 18.2083,
50.0770

■ 31.9407, 21.4153,
50.5944

■ 34.2875, 25.4500,
51.2495

■ 37.0799, 30.3670,
52.0514

■ 40.3432, 36.2166,
53.0085

■ 44.1004, 43.0450,
54.1285

Harmonies

Analogous

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



17.8611, 12.2202, 84.6353



25.7629, 12.2202, 49.1450



30.0334, 12.2202, 17.3490

Triad

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



25.7629, 12.2202, 49.1450



12.9521, 12.2202, 0.0000



3.3220, 12.2202, 35.3962

Complementary

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



25.7629, 12.2202, 49.1450



18.4666, 36.5340, 6.0789

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.



2.8691, 12.2202, 9.9452



25.7629, 12.2202, 49.1450



7.0268, 12.2202, 0.0000

Square

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



25.7629, 12.2202, 49.1450



21.0035, 12.2202, 0.0000



3.9136, 12.2202, 1.2469



5.5478, 12.2202, 72.5848

Rectangle

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



25.7629, 12.2202, 49.1450



29.3936, 12.2202, 6.0355



3.9136, 12.2202, 1.2469



3.0059, 12.2202, 24.8601

Sweetspot

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



25.7635, 12.2207, 49.1453



66.1464, 53.9188, 93.1473



9.4737, 4.2505, 48.4654



13.7532, 10.7612, 19.8948



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.



25.7635, 12.2207, 49.1453



46.0237, 21.8257, 88.0133



24.1714, 12.0932, 17.7535



9.8329, 9.6462, 12.0159



17.3709, 8.2411, 33.0680



0.7080, 0.3370, 1.2966

Inverse Universe

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



21.1042, 10.8663, 1.6019



37.7577, 19.4450, 2.6610



19.3826, 36.8694, 12.3048



9.5681, 9.5515, 10.1146



14.2130, 7.3163, 1.1492



0.5700, 0.2919, 0.1146

Previews

White Background



This preview shows how the XYZ color 25.7629, 12.2202, 49.1450 looks on a white background.

Color Contrast Check

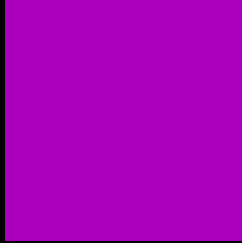
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7629, 12.2202, 49.1450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

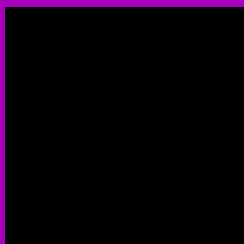
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.7629, 12.2202, 49.1450

Background



This preview shows how black text looks on a background with the XYZ color 25.7629, 12.2202, 49.1450.



This preview shows how white text looks on a background with the XYZ color 25.7629, 12.2202,

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

25.7629, 12.2202, 49.1450

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

13.3227, 12.9931, 43.9252



Tritanopia

17.5704, 12.5300, 8.8896

Trichromacy



Original Color

25.7629, 12.2202, 49.1450



Protanomaly

14.0180, 8.5929, 54.9526



Deuteranomaly

13.7271, 8.9073, 45.2518



Tritanomaly

19.0442, 10.9420, 18.5610

Monochromacy



Original Color

25.7629, 12.2202, 49.1450



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.2558, 6.3799, 16.9106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7629, 12.2202, 49.1450 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(170, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 189)  
}
```

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(170, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 25.7629, 12.2202, 49.1450 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(170, 0, 189) }
```


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

```
.border{ border-color:rgb(170, 0, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 0, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7629, 12.2202, 49.1450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 189) }
```

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

```
.background{ background-color: rgb(170, 0,  
189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](https://twitter.com/ConvertingColor)