

Converting Colors

XYZ(25.2032, 12.2155, 36.2949)

Have a look what the booklet for
XYZ(25.2032, 12.2155, 36.2949)
contains.

XYZ(25.2912, 12.2640, 36.1562)	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(25.2912, 12.2640,
36.1562)**

Conversions

Conversions Part 1

Format	Color
Hex	B300A4
RGB	179, 0, 164
RGB Percent	70%, 0%, 64%
CMY	0.2980, 0.9999, 0.3569
CMYK	0.00, 1.00, 0.08, 0.30
HSL	305°, 100%, 35%
HSV	305°, 100%, 70%
XYZ	25.2912, 12.2640, 36.1562
YIQ	72.2170, 54.0400, 88.9520

Conversions

Conversions Part 2

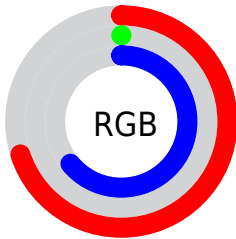
Format	Color
RYB	179, 0, 164
Decimal	11731108
CIELab	41.63, 73.18, -39.13
CIElCh	42, 82.986, 331.867
Yxy	12.2640, 0.3431, 0.1664
Android (android.graphics.Color)	4289921188 (0xFFB300A4)
YUV	72.2170, 45.2490, 93.6487
Hunter-Lab	35.0200, 67.6265, -36.6996

Details

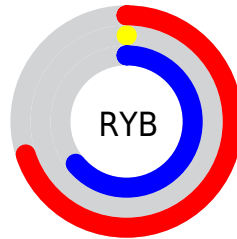
The XYZ color **25.2912, 12.2640, 36.1562** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.2069, 32.2752, 5.8283**, and the grayscale version is **6.1172, 6.4357, 7.0085**.

A 20% lighter version of the original color is **51.7634, 30.0150, 70.7754**, and **10.7544, 5.2126, 15.4782** is the 20% darker color. If you saturate the color by 10%, you get **25.2913, 12.2641, 36.1555**, and if you desaturate by 10%, it is **25.6428, 12.7487, 36.9459**.

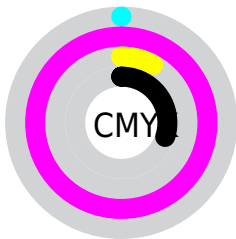
Distribution



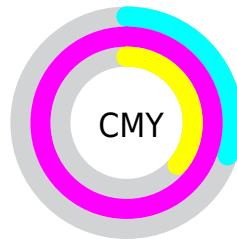
- Red (70%)
- Green (0%)
- Blue (64%)



- Red (70%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2912, 12.2640, 36.1562 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 25.2912, 12.2640, 36.1562 by changing the saturation by 10% instead.


 25.2912, 12.2640,
36.1562


 25.2912, 12.2640,
36.1562


271.6060,
206.1453, 344.7008


 16.4240, 6.9237,
24.2642


 51.5687, 29.9750,
70.4448

 9.9174, 3.4145,
15.3157

 69.7098, 43.1146,
93.6786


 5.4061, 1.3517,
8.8922


 91.6729, 59.6227,
121.5300

 2.5246, 0.1807,
4.5751

 117.8234, 79.8837,
154.4176

 0.9077, 0.0000,
1.9458

 148.5266,
104.2821, 192.7599

 0.0000, 0.0000,
0.5217

 184.1478,

 0.0000, 0.0000,

133.2022, 236.9755

0.0000

225.0525,
167.0285, 287.4830

■ 25.2912, 12.2640,
36.1562

■ 25.2912, 12.2640,
36.1562

■ 25.2913, 12.2641,
36.1555

■ 25.6428, 12.7487,
36.9459

■ 26.1912, 13.6248,
37.8090

■ 27.0115, 15.0421,
38.7707

■ 28.1394, 17.0721,
39.8430

■ 29.6051, 19.7751,
41.0358

■ 31.4353, 23.2045,
42.3581

■ 33.6540, 27.4083,
43.8180

■ 36.2831, 32.4301,
45.4227

■ 39.3428, 38.3106,
47.1790

Harmonies

Analogous

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



18.9757, 12.2640, 66.6845



25.2912, 12.2640, 36.1562



27.6645, 12.2640, 12.2928

Triad

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



25.2912, 12.2640, 36.1562



11.2801, 12.2640, 0.0000



4.2839, 12.2640, 39.9492

Complementary

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



25.2912, 12.2640, 36.1562



16.2069, 32.2752, 5.8283

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.



3.4453, 12.2640, 14.4734



25.2912, 12.2640, 36.1562



6.5129, 12.2640, 0.0911

Square

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



25.2912, 12.2640, 36.1562



18.0780, 12.2640, 0.0000



4.0916, 12.2640, 2.9748



6.9704, 12.2640, 69.9201

Rectangle

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



25.2912, 12.2640, 36.1562



26.2065, 12.2640, 4.3666



4.0916, 12.2640, 2.9748



3.8289, 12.2640, 30.0922

Sweetspot

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



25.2917, 12.2646, 36.1564



60.0491, 48.6612, 78.3343



8.3330, 3.3562, 42.8568



12.9211, 10.0541, 17.1079



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.



25.2917, 12.2646, 36.1564



45.2547, 21.9481, 64.5374



19.8470, 10.0867, 7.4852



8.8187, 8.6342, 10.5437



17.8836, 8.6710, 25.6105



0.5717, 0.2764, 0.8530

Inverse Universe

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



25.2917, 12.2646, 36.1564



45.2547, 21.9481, 64.5374



18.6409, 33.2488, 18.6456



8.8187, 8.6342, 10.5437



17.8836, 8.6710, 25.6105



0.5717, 0.2764, 0.8530

Previews

White Background



This preview shows how the XYZ color 25.2912, 12.2640, 36.1562 looks on a white background.

Color Contrast Check

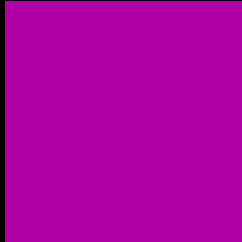
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2912, 12.2640, 36.1562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

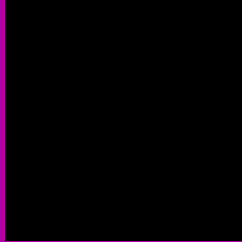
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.2912, 12.2640, 36.1562

Background



This preview shows how black text looks on a background with the XYZ color 25.2912, 12.2640, 36.1562.



This preview shows how white text looks on a background with the XYZ color 25.2912, 12.2640,

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

25.2912, 12.2640, 36.1562

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.2139, 12.9033, 32.3660



Tritanopia

19.4543, 12.6302, 6.8814

Trichromacy



Original Color

25.2912, 12.2640, 36.1562



Protanomaly

13.3066, 8.3307, 50.1969



Deuteranomaly

14.6870, 9.5802, 33.4228



Tritanomaly

20.4747, 11.4494, 13.9628

Monochromacy



Original Color

25.2912, 12.2640, 36.1562



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.0823, 6.3534, 14.0595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2912, 12.2640, 36.1562 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 164) }
```

Border

The CSS property to change the border of an element to XYZ 25.2912, 12.2640, 36.1562 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, 164) }
```


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

```
.border{ border-color:rgb(179, 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(179, 0, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2912, 12.2640, 36.1562 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, 164) }
```

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

```
.background{ background-color: rgb(179, 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](#).

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