

Converting Colors

XYZ(24.8623, 11.7019, 37.2563)

Have a look what the booklet for
XYZ(24.8623, 11.7019, 37.2563)
contains.

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Color

**XYZ(25.0144, 12.1003,
37.0936)**

Conversions

Conversions Part 1

Format	Color
Hex	B100A6
RGB	177, 0, 166
RGB Percent	69%, 0%, 65%
CMY	0.3059, 0.9999, 0.3490
CMYK	0.00, 1.00, 0.06, 0.31
HSL	304°, 100%, 35%
HSV	304°, 100%, 69%
XYZ	25.0144, 12.1003, 37.0936
YIQ	71.8470, 52.2060, 89.1500

Conversions

Conversions Part 2

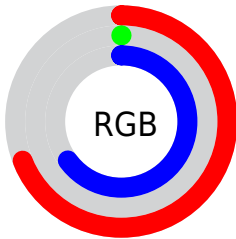
Format	Color
R_{YB}	177, 0, 166
Decimal	11600038
CIE _{Lab}	41.38, 73.11, -40.76
CIE _{LCh}	41, 83.708, 330.861
Yxy	12.1003, 0.3371, 0.1631
Android (android.graphics.Color)	4289790118 (0xFFB100A6)
YUV	71.8470, 46.4174, 92.2192
Hunter-Lab	34.7855, 67.4856, -38.8742

Details

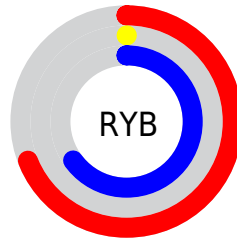
The XYZ color **25.0144, 12.1003, 37.0936** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.7831, 31.4690, 5.5596**, and the grayscale version is **6.0524, 6.3676, 6.9343**.

A 20% lighter version of the original color is **51.0254, 29.6038, 72.1320**, and **10.7264, 5.1853, 16.0583** is the 20% darker color. If you saturate the color by 10%, you get **25.0145, 12.1004, 37.0931**, and if you desaturate by 10%, it is **25.3279, 12.5646, 37.6983**.

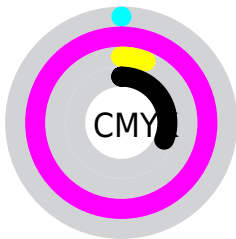
Distribution



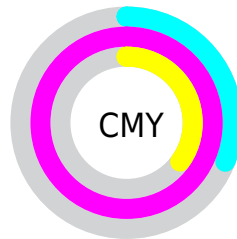
- Red (69%)
- Green (0%)
- Blue (65%)



- Red (69%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0144, 12.1003, 37.0936 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 25.0144, 12.1003, 37.0936 by changing the saturation by 10% instead.


 25.0144, 12.1003,
37.0936


 25.0144, 12.1003,
37.0936


270.2560,
205.0682, 348.8965


 16.2166, 6.8120,
24.9836


 51.1233, 29.6777,
71.9047


 9.7694, 3.3448,
15.8459


 69.1651, 42.7355,
95.4428


 5.3074, 1.3143,
9.2620


 91.0189, 59.1520,
123.6274

 2.4653, 0.1522,
4.8133

 117.0501, 79.3116,
156.8771

 0.8778, 0.0000,
2.0813

 147.6241,
103.5986, 195.6102

 0.0000, 0.0000,
0.6046

 183.1061,

 0.0000, 0.0000,

132.3974, 240.2455

0.0000

223.8616,
166.0925, 291.2014

■ 25.0144, 12.1003,
37.0936

■ 25.0144, 12.1003,
37.0936

■ 25.0145, 12.1004,
37.0931

■ 25.3279, 12.5646,
37.6983

■ 25.8318, 13.4089,
38.3706

■ 26.6001, 14.7805,
39.1353

■ 27.6674, 16.7486,
40.0040

■ 29.0630, 19.3722,
40.9865

■ 30.8130, 22.7030,
42.0914

■ 32.9406, 26.7876,
43.3265

■ 35.4671, 31.6686,
44.6988

■ 38.4122, 37.3855,
46.2151

Harmonies

Analogous

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



18.5919, 12.1003, 67.7914



25.0144, 12.1003, 37.0936



27.5761, 12.1003, 12.6790

Triad

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



25.0144, 12.1003, 37.0936



11.3264, 12.1003, 0.0000



4.1066, 12.1003, 38.8563

Complementary

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



25.0144, 12.1003, 37.0936



15.7831, 31.4690, 5.5596

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.



3.3300, 12.1003, 13.6841



25.0144, 12.1003, 37.0936



6.4903, 12.1003, 0.0000

Square

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



25.0144, 12.1003, 37.0936



18.1764, 12.1003, 0.0000



4.0190, 12.1003, 2.6779



6.7001, 12.1003, 69.3002

Rectangle

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



25.0144, 12.1003, 37.0936



26.2296, 12.1003, 4.4933



4.0190, 12.1003, 2.6779



3.6758, 12.1003, 29.0350

Sweetspot

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



25.0149, 12.1009, 37.0938



58.7774, 47.5562, 77.4733



8.0472, 3.2321, 41.7952



12.3837, 9.6249, 16.5876



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.



25.0149, 12.1009, 37.0938



44.7688, 21.6588, 66.2693



19.5674, 9.9219, 8.4080



8.8268, 8.6374, 10.5862



18.1320, 8.7704, 26.9188



0.5773, 0.2787, 0.8829

Inverse Universe

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



25.0149, 12.1009, 37.0938



44.7688, 21.6588, 66.2693



17.8971, 32.3146, 16.6917



8.8268, 8.6374, 10.5862



18.1320, 8.7704, 26.9188



0.5773, 0.2787, 0.8829

Previews

White Background



This preview shows how the XYZ color 25.0144, 12.1003, 37.0936 looks on a white background.

Color Contrast Check

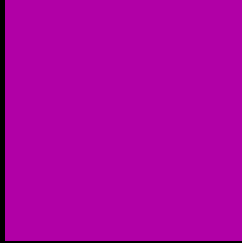
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0144, 12.1003, 37.0936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

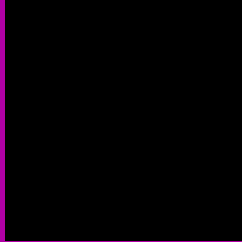
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.0144, 12.1003, 37.0936

Background



This preview shows how black text looks on a background with the XYZ color 25.0144, 12.1003, 37.0936.



This preview shows how white text looks on a background with the XYZ color 25.0144, 12.1003,

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

25.0144, 12.1003, 37.0936

Deuteranopia

13.0837, 12.8167, 33.2368

Tritanopia

18.9008, 12.4258, 7.0325

Trichromacy



Original Color

25.0144, 12.1003, 37.0936

Deuteranomaly

14.4852, 9.4561, 34.3195

Tritanomaly

20.0862, 11.2433, 14.2082

Monochromacy



Original Color

25.0144, 12.1003, 37.0936

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.0089, 6.3096, 14.3260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0144, 12.1003, 37.0936 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(177, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(177, 0, 166)  
}
```

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(177, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 25.0144, 12.1003, 37.0936 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(177, 0, 166) }
```

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

```
.border{ border-color:rgb(177, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(177, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(177, 0,  
166) }
```


Background

The CSS property to change the background color of an element to XYZ 25.0144, 12.1003, 37.0936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 0, 166) }
```

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

```
.background{ background-color: rgb(177, 0,  
166) }
```

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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