

Converting Colors

XYZ(23.8985, 10.3866, 41.8740)

Have a look what the booklet for
XYZ(23.8985, 10.3866, 41.8740)
contains.

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Color

**XYZ(24.6311, 11.7925,
42.0523)**

Conversions

Conversions Part 1

Format	Color
Hex	AB00B0
RGB	171, 0, 176
RGB Percent	67%, 0%, 69%
CMY	0.3294, 0.9999, 0.3098
CMYK	0.03, 1.00, 0.00, 0.31
HSL	298°, 100%, 35%
HSV	298°, 100%, 69%
XYZ	24.6311, 11.7925, 42.0523
YIQ	71.1930, 45.4200, 90.9880

Conversions

Conversions Part 2

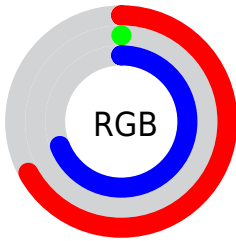
Format	Color
R_{YB}	171, 0, 176
Decimal	11206832
CIE _{Lab}	40.88, 73.58, -47.57
CIE _{LCh}	41, 87.623, 327.117
Yxy	11.7925, 0.3139, 0.1503
Android (android.graphics.Color)	4289396912 (0xFFAB00B0)
YUV	71.1930, 51.6699, 87.5307
Hunter-Lab	34.3402, 67.9368, -48.5671

Details

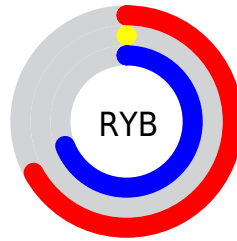
The XYZ color **24.6311, 11.7925, 42.0523** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.5883, 31.0832, 5.1785**, and the grayscale version is **5.9334, 6.2424, 6.7980**.

A 20% lighter version of the original color is **50.4471, 29.1462, 79.3109**, and **10.5146, 5.0075, 19.1512** is the 20% darker color. If you saturate the color by 10%, you get **24.6313, 11.7927, 42.0525**, and if you desaturate by 10%, it is **24.9507, 12.2692, 42.1276**.

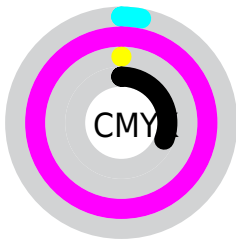
Distribution



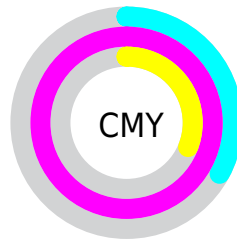
- Red (67%)
- Green (0%)
- Blue (69%)



- Red (67%)
- Yellow (0%)
- Blue (69%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6311, 11.7925, 42.0523 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 24.6311, 11.7925, 42.0523 by changing the saturation by 10% instead.

 24.6311, 11.7925,
42.0523

 24.6311, 11.7925,
42.0523


268.3774,
203.0267, 370.5057


 15.9297, 6.6025,
28.8164


 50.5053, 29.1166,
79.5497

 9.5649, 3.2148,
18.6976

 68.4089, 42.0196,
104.6483


 5.1715, 1.2449,
11.2774


 90.1105, 58.2623,
134.5381

 2.3840, 0.0979,
6.1372

 115.9756, 78.2293,
169.6378

 0.8371, 0.0000,
2.8585

 146.3695,
102.3048, 210.3659

 0.0000, 0.0000,
1.0229

 181.6575,

 0.0000, 0.0000,

130.8732, 257.1409

0.0000

222.2050,
164.3191, 310.3813

■ 24.6311, 11.7925,
42.0523

■ 24.6311, 11.7925,
42.0523

■ 24.6313, 11.7927,
42.0525

■ 24.9507, 12.2692,
42.1276

■ 25.4575, 13.1202,
42.2652

■ 26.2247, 14.4915,
42.4894

■ 27.2866, 16.4515,
42.8118

■ 28.6721, 19.0581,
43.2419

■ 30.4068, 22.3624,
43.7882

■ 32.5137, 26.4104,
44.4586

■ 35.0136, 31.2441,
45.2598

■ 37.9263, 36.9024,
46.1984

Harmonies

Analogous

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



17.6264, 11.7925, 74.2859



24.6311, 11.7925, 42.0523



28.0027, 11.7925, 14.6496

Triad

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



24.6311, 11.7925, 42.0523



11.8237, 11.7925, 0.0000



3.5542, 11.7925, 35.7817

Complementary

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



24.6311, 11.7925, 42.0523



15.5883, 31.0832, 5.1785

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.



2.9810, 11.7925, 11.1859



24.6311, 11.7925, 42.0523



6.5749, 11.7925, 0.0000

Square

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



24.6311, 11.7925, 42.0523



19.0800, 11.7925, 0.0000



3.8427, 11.7925, 1.7533



5.8684, 11.7925, 68.8467

Rectangle

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



24.6311, 11.7925, 42.0523



27.0614, 11.7925, 5.1409



3.8427, 11.7925, 1.7533



3.1999, 11.7925, 25.8662

Sweetspot

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



24.6316, 11.7930, 42.0525



58.7471, 47.4722, 80.5620



7.9005, 3.2624, 41.2878



12.3762, 9.6042, 17.3458



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.



24.6316, 11.7930, 42.0525



44.6384, 21.3701, 76.2674



19.9195, 10.0364, 11.4474



8.8257, 8.6342, 10.7077



18.0812, 8.6570, 30.8550



0.5763, 0.2762, 0.9712

Inverse Universe

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



17.9322, 9.2415, 0.9826



32.5086, 16.7547, 1.7078



17.0540, 31.6623, 13.2235



8.5058, 8.5090, 8.8961



13.1607, 6.7818, 0.7402



0.4173, 0.2147, 0.0402

Previews

White Background



This preview shows how the XYZ color 24.6311, 11.7925, 42.0523 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

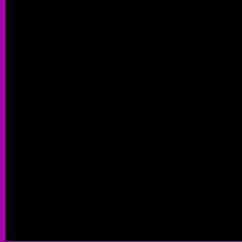
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6311, 11.7925, 42.0523

Background



This preview shows how black text looks on a background with the XYZ color 24.6311, 11.7925, 42.0523.



This preview shows how white text looks on a background with the XYZ color 24.6311, 11.7925,

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

24.6311, 11.7925, 42.0523

Protanopia

14.7529, 12.4487, 57.5024

Deuteranopia

12.8169, 12.5878, 37.3515



Tritanopia

17.8614, 12.2242, 7.8967

Trichromacy



Original Color

24.6311, 11.7925, 42.0523



Protanomaly

13.2281, 8.1061, 51.3195



Deuteranomaly

13.8187, 9.0182, 38.5485



Tritanomaly

19.0798, 10.8416, 16.1259

Monochromacy



Original Color

24.6311, 11.7925, 42.0523



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7621, 6.1067, 15.1322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6311, 11.7925, 42.0523 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(171, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 176)  
}
```

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(171, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 24.6311, 11.7925, 42.0523 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(171, 0, 176) }
```


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

```
.border{ border-color:rgb(171, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6311, 11.7925, 42.0523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 176) }
```

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

```
.background{ background-color: rgb(171, 0,  
176) }
```

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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