

Converting Colors

XYZ(24.7088, 11.6483, 50.3806)

Have a look what the booklet for
XYZ(24.7088, 11.6483, 50.3806)
contains.

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Color

**XYZ(24.7138, 11.6541,
50.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	A400BF
RGB	164, 0, 191
RGB Percent	64%, 0%, 75%
CMY	0.3569, 0.9999, 0.2510
CMYK	0.14, 1.00, 0.00, 0.25
HSL	292°, 100%, 37%
HSV	292°, 100%, 75%
XYZ	24.7138, 11.6541, 50.2371
YIQ	70.8100, 36.4330, 94.1690

Conversions

Conversions Part 2

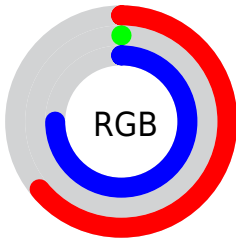
Format	Color
RYB	164, 0, 191
Decimal	10748095
CIELab	40.66, 74.90, -56.85
CIELCh	41, 94.036, 322.801
Yxy	11.6541, 0.2854, 0.1346
Android (android.graphics.Color)	4288938175 (0xFFA400BF)
YUV	70.8100, 59.2537, 81.7276
Hunter-Lab	34.1381, 69.4809, -63.3536

Details

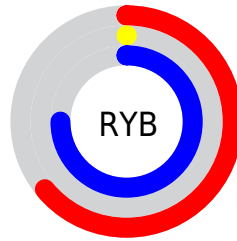
The XYZ color **24.7138, 11.6541, 50.2371** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.0832, 37.4949, 6.2318**, and the grayscale version is **5.8578, 6.1629, 6.7114**.

A 20% lighter version of the original color is **50.5450, 28.8059, 91.7030**, and **10.3878, 4.8417, 23.6796** is the 20% darker color. If you saturate the color by 10%, you get **24.7138, 11.6541, 50.2373**, and if you desaturate by 10%, it is **25.5122, 12.4142, 50.3419**.

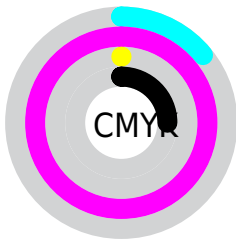
Distribution



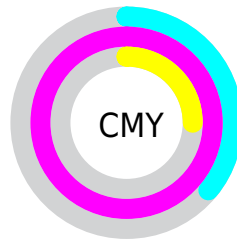
- Red (64%)
- Green (0%)
- Blue (75%)



- Red (64%)
- Yellow (0%)
- Blue (75%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (36%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7138, 11.6541, 50.2371 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 24.7138, 11.6541, 50.2371 by changing the saturation by 10% instead.


 24.7138, 11.6541,
50.2371

 24.7138, 11.6541,
50.2371

268.7836,
202.1017, 404.3540


 15.9915, 6.5086,
35.2293


 50.6388, 28.8635,
91.9260

 9.6090, 3.1567,
23.5546


 68.5722, 41.6963,
119.4442

 5.2007, 1.2141,
14.7944


 90.3068, 57.8602,
151.9696

 2.4015, 0.0732,
8.5302

 116.2078, 77.7397,
189.9208

 0.8459, 0.0000,
4.3435

 146.6406,
101.7192, 233.7163

 0.0000, 0.0000,
1.8156

 181.9707,

 0.0000, 0.0000,

130.1831, 283.7746

0.4382

222.5632,
163.5158, 340.5144

■ 0.0000, 0.0000,
0.0000

■ 24.7138, 11.6541,
50.2371

■ 24.7138, 11.6541,
50.2371

■ 24.7138, 11.6541,
50.2373

■ 25.5122, 12.4142,
50.3419

■ 26.5525, 13.6410,
50.5239

■ 27.9183, 15.5011,
50.8109

■ 29.6518, 18.0787,
51.2171

■ 31.7886, 21.4450,
51.7542

■ 34.3602, 25.6626,
52.4328

■ 37.3947, 30.7879,
53.2621

■ 40.9179, 36.8724,
54.2509

■ 44.9536, 43.9635,
55.4069

Harmonies

Analogous

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



16.8120, 11.6541, 85.3106



24.7138, 11.6541, 50.2371



29.2374, 11.6541, 17.8574

Triad

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



24.7138, 11.6541, 50.2371



12.7588, 11.6541, 0.0000



2.9731, 11.6541, 32.8460

Complementary

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



24.7138, 11.6541, 50.2371



19.0832, 37.4949, 6.2318

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.



2.6145, 11.6541, 8.6291



24.7138, 11.6541, 50.2371



6.8215, 11.6541, 0.0000

Square

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



24.7138, 11.6541, 50.2371



20.7528, 11.6541, 0.0000



3.6914, 11.6541, 0.9265



5.0023, 11.6541, 69.9768

Rectangle

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



24.7138, 11.6541, 50.2371



28.8246, 11.6541, 6.1788



3.6914, 11.6541, 0.9265



2.6983, 11.6541, 22.6631

Sweetspot

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



24.7143, 11.6546, 50.2374



66.6923, 54.6603, 95.3145



9.8353, 4.6239, 49.6645



14.1166, 11.1051, 20.7848



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.7143, 11.6546, 50.2374



44.1047, 20.7912, 89.9677



25.1340, 12.5358, 20.2151



9.7938, 9.6261, 12.0140



16.2930, 7.6854, 33.0176



0.6751, 0.3201, 1.2951

Inverse Universe

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



21.6840, 11.1559, 2.0480



38.7842, 19.9590, 3.3958



19.6399, 37.6654, 11.5230



9.5836, 9.5578, 10.1965



14.2684, 7.3385, 1.4413



0.5768, 0.2946, 0.1507

Previews

White Background



This preview shows how the XYZ color 24.7138, 11.6541, 50.2371 looks on a white background.

Color Contrast Check

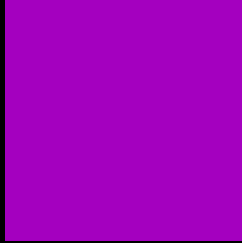
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7138, 11.6541, 50.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

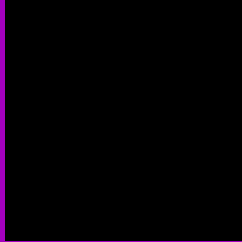
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7138, 11.6541, 50.2371

Background



This preview shows how black text looks on a background with the XYZ color 24.7138, 11.6541, 50.2371.



This preview shows how white text looks on a background with the XYZ color 24.7138, 11.6541,

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

24.7138, 11.6541, 50.2371

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.4930, 12.2887, 43.3085



Tritanopia

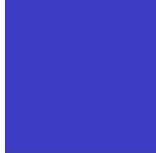
16.5417, 12.0954, 9.0522

Trichromacy



Original Color

24.7138, 11.6541, 50.2371



Protanomaly

13.5574, 8.2236, 53.6961



Deuteranomaly

12.1404, 8.0048, 45.1612



Tritanomaly

17.9647, 10.4385, 18.8373

Monochromacy



Original Color

24.7138, 11.6541, 50.2371



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.8586, 6.1178, 16.8809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7138, 11.6541, 50.2371 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(164, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 191)  
}
```

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(164, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 24.7138, 11.6541, 50.2371 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(164, 0, 191) }
```


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

```
.border{ border-color:rgb(164, 0, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(164, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7138, 11.6541, 50.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 191) }
```

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

```
.background{ background-color: rgb(164, 0,  
191) }
```

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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