

Converting Colors

XYZ(25.4186, 12.0142, 50.4139)

Have a look what the booklet for
XYZ(25.4186, 12.0142, 50.4139)
contains.

XYZ(25.3403, 11.9771, 50.2664)	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(25.3403, 11.9771,
50.2664)**

Conversions

Conversions Part 1

Format	Color
Hex	A700BF
RGB	167, 0, 191
RGB Percent	65%, 0%, 75%
CMY	0.3451, 0.9999, 0.2510
CMYK	0.13, 1.00, 0.00, 0.25
HSL	292°, 100%, 37%
HSV	292°, 100%, 75%
XYZ	25.3403, 11.9771, 50.2664
YIQ	71.7070, 38.2210, 94.8050

Conversions

Conversions Part 2

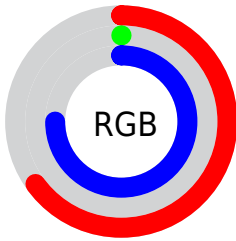
Format	Color
R_{YB}	167, 0, 191
Decimal	10944703
CIE _{Lab}	41.18, 75.34, -55.99
CIE _{LCh}	41, 93.867, 323.383
Yxy	11.9771, 0.2893, 0.1368
Android (android.graphics.Color)	4289134783 (0xFFA700BF)
YUV	71.7070, 58.8114, 83.5720
Hunter-Lab	34.6079, 70.1357, -61.8903

Details

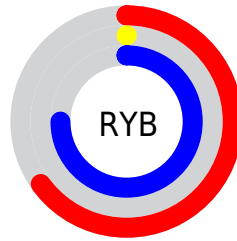
The XYZ color **25.3403, 11.9771, 50.2664** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.0080, 37.4561, 6.2284**, and the grayscale version is **6.0094, 6.3223, 6.8850**.

A 20% lighter version of the original color is **51.5558, 29.4431, 91.7727**, and **10.7506, 5.0288, 23.6966** is the 20% darker color. If you saturate the color by 10%, you get **25.3403, 11.9770, 50.2666**, and if you desaturate by 10%, it is **26.0873, 12.7108, 50.3688**.

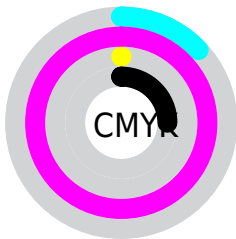
Distribution



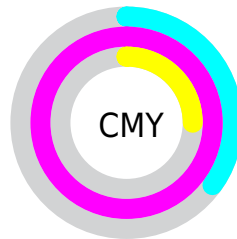
- Red (65%)
- Green (0%)
- Blue (75%)



- Red (65%)
- Yellow (0%)
- Blue (75%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (35%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.3403, 11.9771, 50.2664 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 25.3403, 11.9771, 50.2664 by changing the saturation by 10% instead.

 25.3403, 11.9771,
50.2664


 25.3403, 11.9771,
50.2664

271.8449,
204.2536, 404.4717


 16.4609, 6.7281,
35.2525


 51.6477, 29.4534,
91.9698


 9.9438, 3.2926,
23.5723


 69.8063, 42.4495,
119.4964


 5.4237, 1.2864,
14.8074


 91.7887, 58.7967,
152.0309

 2.5352, 0.1306,
8.5392

 117.9603, 78.8794,
189.9919

 0.9130, 0.0000,
4.3492

 148.6863,
103.0821, 233.7980

 0.0000, 0.0000,
1.8188

 184.3322,

 0.0000, 0.0000,

131.7891, 283.8676

0.4403

225.2633,
165.3848, 340.6193

■ 0.0000, 0.0000,
0.0000

■ 25.3403, 11.9771,
50.2664

■ 25.3403, 11.9771,
50.2664

■ 25.3403, 11.9770,
50.2666

■ 26.0873, 12.7108,
50.3688

■ 27.0738, 13.9099,
50.5483

■ 28.3833, 15.7411,
50.8327

■ 30.0581, 18.2884,
51.2361

■ 32.1337, 21.6232,
51.7704

■ 34.6415, 25.8081,
52.4460

■ 37.6097, 30.8993,
53.2723

■ 41.0640, 36.9484,
54.2578

■ 45.0283, 44.0027,
55.4105

Harmonies

Analogous

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



17.3656, 11.9771, 85.8183



25.3403, 11.9771, 50.2664



29.8085, 11.9771, 17.8215

Triad

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



25.3403, 11.9771, 50.2664



12.9494, 11.9771, 0.0000



3.1324, 11.9771, 34.1154

Complementary

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



25.3403, 11.9771, 50.2664



19.0080, 37.4561, 6.2284

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.



2.7352, 11.9771, 9.2024



25.3403, 11.9771, 50.2664



6.9627, 11.9771, 0.0000

Square

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



25.3403, 11.9771, 50.2664



21.0377, 11.9771, 0.0000



3.8102, 11.9771, 1.0520



5.2547, 11.9771, 71.6104

Rectangle

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



25.3403, 11.9771, 50.2664



29.3049, 11.9771, 6.1795



3.8102, 11.9771, 1.0520



2.8396, 11.9771, 23.7030

Sweetspot

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



25.3409, 11.9776, 50.2667



67.0824, 54.8614, 95.3328



9.7622, 4.4777, 49.6401



14.2135, 11.1551, 20.7893



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.



25.3409, 11.9776, 50.2667



45.2409, 21.3769, 90.0208



24.9356, 12.4565, 19.1705



9.8088, 9.6338, 12.0147



16.7001, 7.8953, 33.0366



0.6876, 0.3265, 1.2956

Inverse Universe

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



21.6511, 11.1428, 1.8746



38.7297, 19.9372, 3.1089



19.7379, 37.7046, 12.0390



9.5777, 9.5554, 10.1649



14.2453, 7.3293, 1.3195



0.5742, 0.2936, 0.1368

Previews

White Background



This preview shows how the XYZ color 25.3403, 11.9771, 50.2664 looks on a white background.

Color Contrast Check

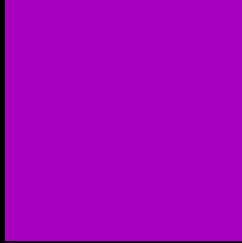
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3403, 11.9771, 50.2664 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 25.3403, 11.9771, 50.2664

Background



This preview shows how black text looks on a background with the XYZ color 25.3403, 11.9771, 50.2664.



This preview shows how white text looks on a background with the XYZ color 25.3403, 11.9771,

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

25.3403, 11.9771, 50.2664

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.7904, 12.5620, 44.3984



Tritanopia

17.1009, 12.3836, 9.0784

Trichromacy



Original Color

25.3403, 11.9771, 50.2664



Protanomaly

13.7863, 8.4068, 54.3221



Deuteranomaly

12.3051, 8.0778, 45.7104



Tritanomaly

18.5477, 10.7391, 18.8646

Monochromacy



Original Color

25.3403, 11.9771, 50.2664



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.1349, 6.3176, 16.9049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3403, 11.9771, 50.2664 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(167, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 25.3403, 11.9771, 50.2664 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(167, 0, 191) }
```


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

```
.border{ border-color:rgb(167, 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(167, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3403, 11.9771, 50.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 191) }
```

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

```
.background{ background-color: rgb(167, 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](#).

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