

Converting Colors

XYZ(25.2942, 11.6346, 64.6649)

Have a look what the booklet for
XYZ(25.2942, 11.6346, 64.6649)
contains.

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Color

**XYZ(25.2745, 11.6273,
64.5305)**

Conversions

Conversions Part 1

Format	Color
Hex	9900D6
RGB	153, 0, 214
RGB Percent	60%, 0%, 84%
CMY	0.4000, 1.0000, 0.1608
CMYK	0.29, 1.00, 0.00, 0.16
HSL	283°, 100%, 42%
HSV	283°, 100%, 84%
XYZ	25.2745, 11.6273, 64.5305
YIQ	70.1430, 22.4940, 98.9900

Conversions

Conversions Part 2

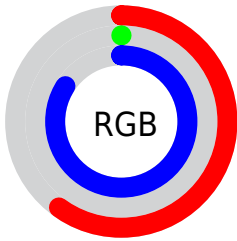
Format	Color
RYB	153, 0, 214
Decimal	10027222
CIELab	40.62, 77.49, -70.38
CIElCh	41, 104.678, 317.752
Yxy	11.6273, 0.2492, 0.1146
Android (android.graphics.Color)	4288217302 (0xFF9900D6)
YUV	70.1430, 70.9215, 72.6656
Hunter-Lab	34.0988, 72.6336, -88.3345

Details

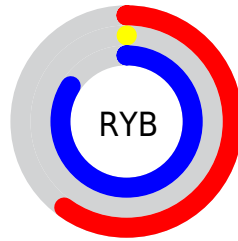
The XYZ color **25.2745, 11.6273, 64.5305** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **25.9710, 49.0854, 8.1057**, and the grayscale version is **5.7291, 6.0274, 6.5639**.

A 20% lighter version of the original color is **48.6609, 27.7068, 97.3910**, and **10.7876, 4.8483, 32.7150** is the 20% darker color. If you saturate the color by 10%, you get **25.2750, 11.6276, 64.5308**, and if you desaturate by 10%, it is **26.7317, 12.7877, 64.6779**.

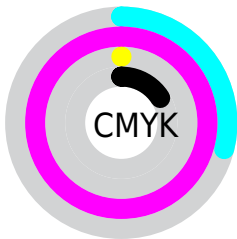
Distribution



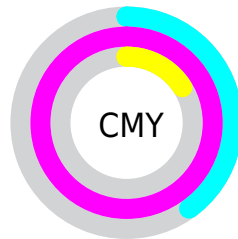
- Red (60%)
- Green (0%)
- Blue (84%)



- Red (60%)
- Yellow (0%)
- Blue (84%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)




- Cyan (40%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2745, 11.6273, 64.5305 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 25.2745, 11.6273, 64.5305 by changing the saturation by 10% instead.


 25.2745, 11.6273,
64.5305


 25.2745, 11.6273,
64.5305


271.5247,
201.9221, 459.3628


 16.4115, 6.4904,
46.6316


 51.5419, 28.8145,
112.9814

 9.9085, 3.1455,
32.3922


 69.6770, 41.6336,
144.3704

 5.4001, 1.2082,
21.3940


 91.6335, 57.7822,
181.0932

 2.5210, 0.0684,
13.2182

 117.7768, 77.6447,
223.5684

 0.9059, 0.0000,
7.4465

 148.4722,
101.6056, 272.2143

 0.0000, 0.0000,
3.6602

 184.0851,

 0.0000, 0.0000,

130.0492, 327.4497

1.4409

224.9808,
163.3599, 389.6930

■ 0.0000, 0.0000,
0.1733

■ 0.0000, 0.0000,
0.0000

■ 25.2745, 11.6273,
64.5305

■ 25.2745, 11.6273,
64.5305

■ 25.2750, 11.6276,
64.5308

■ 26.7317, 12.7877,
64.6779

■ 28.5536, 14.5895,
64.9297

■ 30.8430, 17.2366,
65.3199

■ 33.6569, 20.8416,
65.8675

■ 37.0436, 25.4997,
66.5881

■ 41.0452, 31.2943,
67.4956

■ 45.6997, 38.3003,
68.6026

■ 51.0420, 46.5860,
69.9203

■ 57.1043, 56.2147,
71.4594

Harmonies

Analogous

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



15.9790, 11.6273, 104.5482



25.2745, 11.6273, 64.5305



31.5879, 11.6273, 23.4151

Triad

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



25.2745, 11.6273, 64.5305



14.3512, 11.6273, 0.0000



2.2870, 11.6273, 29.5802

Complementary

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



25.2745, 11.6273, 64.5305



25.9710, 49.0854, 8.1057

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.



2.1655, 11.6273, 5.8364



25.2745, 11.6273, 64.5305



7.2578, 11.6273, 0.0000

Square

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



25.2745, 11.6273, 64.5305



23.6353, 11.6273, 0.0000



3.5132, 11.6273, 0.0000



3.9824, 11.6273, 73.0717

Rectangle

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



25.2745, 11.6273, 64.5305



31.9797, 11.6273, 7.9230



3.5132, 11.6273, 0.0000



2.1008, 11.6273, 18.9864

Sweetspot

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



25.2751, 11.6277, 64.5308



67.7380, 56.6166, 101.9657



13.9824, 8.5446, 64.5309



13.8444, 11.1252, 21.6677



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.2751, 11.6277, 64.5308



37.4162, 17.2036, 95.9563



35.1015, 17.2442, 40.1068



12.5921, 12.4466, 15.6763



15.3839, 7.0832, 39.0095



1.0074, 0.4682, 2.3566

Inverse Universe

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



28.5739, 14.6331, 5.7331



42.4321, 21.7369, 8.2077



24.4791, 48.2663, 10.2926



12.5673, 12.4784, 13.6619



17.3100, 8.8603, 3.6703



1.0796, 0.5486, 0.4084

Previews

White Background



This preview shows how the XYZ color 25.2745, 11.6273, 64.5305 looks on a white background.

Color Contrast Check

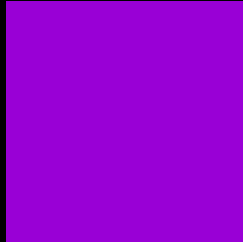
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2745, 11.6273, 64.5305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

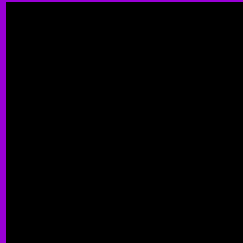
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.2745, 11.6273, 64.5305

Background



This preview shows how black text looks on a background with the XYZ color 25.2745, 11.6273, 64.5305.



This preview shows how white text looks on a background with the XYZ color 25.2745, 11.6273,

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

25.2745, 11.6273, 64.5305

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

12.1000, 12.1315, 41.2390



Tritanopia

14.5315, 11.9844, 11.2202

Trichromacy



Original Color

25.2745, 11.6273, 64.5305



Protanomaly

14.1458, 8.4321, 58.0087



Deuteranomaly

12.5414, 8.1384, 48.4868



Tritanomaly

16.4615, 9.8709, 23.9593

Monochromacy



Original Color

25.2745, 11.6273, 64.5305



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.7068, 5.9912, 19.0572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2745, 11.6273, 64.5305 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(153, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 214)  
}
```

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(153, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 25.2745, 11.6273, 64.5305 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(153, 0, 214) }
```


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

```
.border{ border-color:rgb(153, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2745, 11.6273, 64.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 214) }
```

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

```
.background{ background-color: rgb(153, 0,  
214) }
```

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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