

Converting Colors

XYZ(25.3925, 11.6480, 66.3848)

Have a look what the booklet for
XYZ(25.3925, 11.6480, 66.3848)
contains.

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Color

**XYZ(25.4733, 11.6852,
66.5585)**

Conversions

Conversions Part 1

Format	Color
Hex	9800D9
RGB	152, 0, 217
RGB Percent	60%, 0%, 85%
CMY	0.4039, 1.0000, 0.1490
CMYK	0.30, 1.00, 0.00, 0.15
HSL	282°, 100%, 43%
HSV	282°, 100%, 85%
XYZ	25.4733, 11.6852, 66.5585
YIQ	70.1860, 20.9350, 99.7110

Conversions

Conversions Part 2

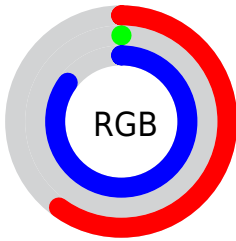
Format	Color
R_{YB}	152, 0, 217
Decimal	9961689
CIE _{Lab}	40.71, 77.92, -71.96
CIE _{LCh}	41, 106.066, 317.278
Yxy	11.6852, 0.2456, 0.1127
Android (android.graphics.Color)	4288151769 (0xFF9800D9)
YUV	70.1860, 72.3793, 71.7509
Hunter-Lab	34.1836, 73.1951, -91.5143

Details

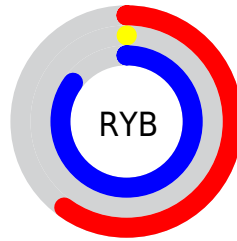
The XYZ color **25.4733, 11.6852, 66.5585** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **26.9932, 50.7498, 8.3732**, and the grayscale version is **5.7345, 6.0331, 6.5701**.

A 20% lighter version of the original color is **48.3717, 27.5577, 97.3774**, and **10.8467, 4.8485, 34.0824** is the 20% darker color. If you saturate the color by 10%, you get **25.4735, 11.6853, 66.5587**, and if you desaturate by 10%, it is **27.0054, 12.8926, 66.7111**.

Distribution



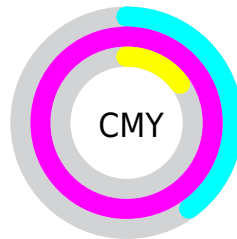
- Red (60%)
- Green (0%)
- Blue (85%)



- Red (60%)
- Yellow (0%)
- Blue (85%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4733, 11.6852, 66.5585 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 25.4733, 11.6852, 66.5585 by changing the saturation by 10% instead.

■ 25.4733, 11.6852,
66.5585

■ 25.4733, 11.6852,
66.5585

272.4912,
202.3099, 466.8303

■ 16.5606, 6.5297,
48.2666

■ 51.8614, 28.9204,
115.9222

■ 10.0151, 3.1698,
33.6766

■ 70.0676, 41.7690,
147.8310

■ 5.4713, 1.2210,
22.3699

■ 92.1022, 57.9507,
185.1159

■ 2.5639, 0.0788,
13.9280

■ 118.3308, 77.8499,
228.1955

■ 0.9276, 0.0000,
7.9324

■ 149.1187,
101.8510, 277.4881

■ 0.0000, 0.0000,
3.9646

■ 184.8311,

■ 0.0000, 0.0000,

130.3385, 333.4124

1.6059

225.8335,
163.6967, 396.3870

■ 0.0000, 0.0000,
0.2951

■ 0.0000, 0.0000,
0.0000

■ 25.4733, 11.6852,
66.5585

■ 25.4733, 11.6852,
66.5585

■ 25.4735, 11.6853,
66.5587

■ 27.0054, 12.8926,
66.7111

■ 28.9208, 14.7669,
66.9719

■ 31.3252, 17.5171,
67.3760

■ 34.2777, 21.2602,
67.9429

■ 37.8284, 26.0946,
68.6889

■ 42.0211, 32.1068,
69.6283

■ 46.8953, 39.3742,
70.7742

■ 52.4871, 47.9678,
72.1382

■ 58.8299, 57.9531,
73.7313

Harmonies

Analogous

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



15.9777, 11.6852, 107.3520



25.4733, 11.6852, 66.5585



32.0201, 11.6852, 24.1926

Triad

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



25.4733, 11.6852, 66.5585



14.6041, 11.6852, 0.0000



2.2312, 11.6852, 29.4090

Complementary

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



25.4733, 11.6852, 66.5585



26.9932, 50.7498, 8.3732

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.



2.1307, 11.6852, 5.6099



25.4733, 11.6852, 66.5585



7.3420, 11.6852, 0.0000

Square

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



25.4733, 11.6852, 66.5585



24.0856, 11.6852, 0.0000



3.5111, 11.6852, 0.0000



3.9020, 11.6852, 73.8231

Rectangle

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



25.4733, 11.6852, 66.5585



32.5055, 11.6852, 8.1654



3.5111, 11.6852, 0.0000



2.0524, 11.6852, 18.7228

Sweetspot

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



25.4739, 11.6856, 66.5588



67.3766, 56.4303, 101.9487



14.4208, 8.8024, 66.5848



13.7578, 11.0806, 21.6636



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.



25.4739, 11.6856, 66.5588



36.5523, 16.7583, 95.9159



36.2166, 17.7924, 41.3665



13.2149, 13.0689, 16.4782



15.5315, 7.1309, 40.2962



1.0915, 0.5060, 2.6146

Inverse Universe

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



29.5697, 15.1336, 6.3642



42.5578, 21.7871, 8.8695



25.2565, 49.8033, 10.6065



13.2158, 13.1154, 14.3974



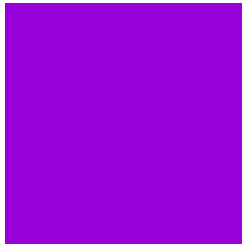
17.9406, 9.1773, 4.0675



1.1998, 0.6096, 0.4610

Previews

White Background



This preview shows how the XYZ color 25.4733, 11.6852, 66.5585 looks on a white background.

Color Contrast Check

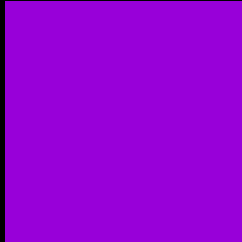
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4733, 11.6852, 66.5585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

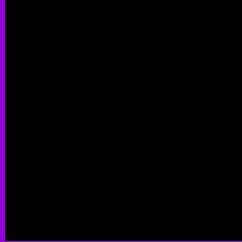
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.4733, 11.6852, 66.5585

Background



This preview shows how black text looks on a background with the XYZ color 25.4733, 11.6852, 66.5585.



This preview shows how white text looks on a background with the XYZ color 25.4733, 11.6852,

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

25.4733, 11.6852, 66.5585

Protanopia

14.4010, 12.3079, 55.6495

Deuteranopia

12.1000, 12.1315, 41.2390



Tritanopia

14.4969, 12.0776, 11.4647

Trichromacy



Original Color

25.4733, 11.6852, 66.5585



Protanomaly

14.3320, 8.5002, 59.2778



Deuteranomaly

12.5943, 8.1531, 49.0540



Tritanomaly

16.4820, 9.9334, 24.7156

Monochromacy



Original Color

25.4733, 11.6852, 66.5585



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.7691, 6.0162, 19.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4733, 11.6852, 66.5585 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(152, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 217)  
}
```

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(152, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 25.4733, 11.6852, 66.5585 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(152, 0, 217) }
```


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

```
.border{ border-color:rgb(152, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(152, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(152, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4733, 11.6852, 66.5585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 0, 217) }
```

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

```
.background{ background-color: rgb(152, 0,  
217) }
```

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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