

Converting Colors

XYZ(24.2317, 11.0838, 66.3375)

Have a look what the booklet for
XYZ(24.2317, 11.0838, 66.3375)
contains.

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Color

**XYZ(24.2231, 11.0729,
66.5062)**

Conversions

Conversions Part 1

Format	Color
Hex	9102D9
RGB	145, 2, 217
RGB Percent	57%, 1%, 85%
CMY	0.4314, 0.9921, 0.1490
CMYK	0.33, 0.99, 0.00, 0.15
HSL	280°, 98%, 43%
HSV	280°, 99%, 85%
XYZ	24.2231, 11.0729, 66.5062
YIQ	69.2670, 16.2130, 97.1810

Conversions

Conversions Part 2

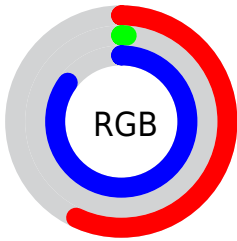
Format	Color
RYB	145, 2, 217
Decimal	9503449
CIELab	39.70, 76.91, -73.65
CIELCh	40, 106.487, 316.238
Yxy	11.0729, 0.2379, 0.1088
Android (android.graphics.Color)	4287693529 (0xFF9102D9)
YUV	69.2670, 72.8324, 66.4178
Hunter-Lab	33.2760, 71.7054, -95.2053

Details

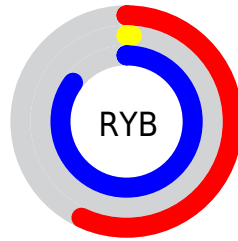
The XYZ color **24.2231, 11.0729, 66.5062** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **27.6480, 51.0861, 8.4609**, and the grayscale version is **5.5837, 5.8744, 6.3973**.

A 20% lighter version of the original color is **46.3201, 26.3856, 97.2593**, and **10.1793, 4.5045, 34.0512** is the 20% darker color. If you saturate the color by 10%, you get **24.0841, 10.9690, 66.4937**, and if you desaturate by 10%, it is **25.8444, 12.3523, 66.6679**.

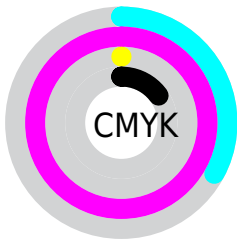
Distribution



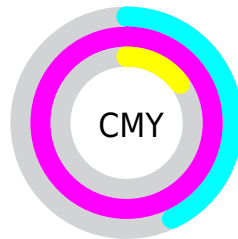
- Red (57%)
- Green (1%)
- Blue (85%)



- Red (57%)
- Yellow (1%)
- Blue (85%)



- Cyan (33%)
- Magenta (99%)
- Yellow (0%)
- Black (15%)





- Cyan (43%)
- Magenta (99%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2231, 11.0729, 66.5062 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 24.2231, 11.0729, 66.5062 by changing the saturation by 10% instead.

 24.2231, 11.0729,
66.5062


 24.2231, 11.0729,
66.5062


266.3661,
198.1670, 466.6386


 15.6248, 6.1159,
48.2244


 49.8461, 27.7949,
115.8465


 9.3482, 2.9157,
33.6433


 67.6014, 40.3287,
147.7420


 5.0279, 1.0879,
22.3446


 89.1399, 56.1568,
185.0125

 2.2986, 0.0000,
13.9096

 114.8268, 75.6637,
228.0765

 0.7939, 0.0000,
7.9198

 145.0276, 99.2338,
277.3526

 0.0000, 0.0000,
3.9566

 180.1074,

 0.0000, 0.0000,

127.2515, 333.2593

1.6016

220.4318,
160.1011, 396.2151

■ 0.0000, 0.0000,
0.2919

■ 0.0000, 0.0000,
0.0000

■ 24.2231, 11.0729,
66.5062

■ 24.2231, 11.0729,
66.5062

■ 24.0841, 10.9690,
66.4937

■ 25.8444, 12.3523,
66.6679

■ 27.8830, 14.3433,
66.9448

■ 30.4325, 17.2304,
67.3677

■ 33.5516, 21.1285,
67.9557

■ 37.2900, 26.1350,
68.7250

■ 41.6914, 32.3356,
69.6899

■ 46.7953, 39.8074,
70.8631

■ 52.6381, 48.6208,
72.2563

■ 59.2532, 58.8411,
73.8804

Harmonies

Analogous

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



14.9458, 11.0729, 106.0958



24.2231, 11.0729, 66.5062



30.8261, 11.0729, 24.3347

Triad

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



24.2231, 11.0729, 66.5062



14.2195, 11.0729, 0.0000



1.9922, 11.0729, 27.1068

Complementary

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



24.2231, 11.0729, 66.5062



27.6480, 51.0861, 8.4609

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.



1.9411, 11.0729, 4.8113



24.2231, 11.0729, 66.5062



7.0743, 11.0729, 0.0000

Square

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



24.2231, 11.0729, 66.5062



23.4850, 11.0729, 0.0000



3.3047, 11.0729, 0.0000



3.5063, 11.0729, 70.4051

Rectangle

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



24.2231, 11.0729, 66.5062



31.4839, 11.0729, 8.2029



3.3047, 11.0729, 0.0000



1.8395, 11.0729, 16.9601

Sweetspot

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



24.2237, 11.0733, 66.5065



66.5052, 55.9811, 101.9080



15.2210, 10.3658, 66.8444



13.5492, 10.9730, 21.6538



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.



24.2237, 11.0733, 66.5065



34.5427, 15.7223, 95.8218



37.3678, 18.2875, 47.3214



13.1688, 13.0451, 16.4760



14.6957, 6.7001, 40.2571



1.0422, 0.4805, 2.6123

Inverse Universe

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



29.8731, 15.2897, 7.8553



42.8954, 21.9221, 10.6470



25.1304, 49.7558, 9.8119



13.2350, 13.1231, 14.4988



18.0876, 9.2361, 4.8414



1.2111, 0.6141, 0.5206

Previews

White Background



This preview shows how the XYZ color 24.2231, 11.0729, 66.5062 looks on a white background.

Color Contrast Check

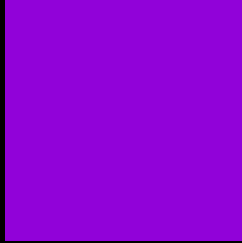
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2231, 11.0729, 66.5062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

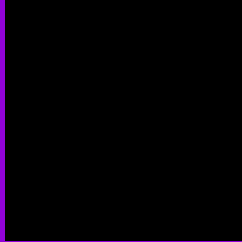
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2231, 11.0729, 66.5062

Background



This preview shows how black text looks on a background with the XYZ color 24.2231, 11.0729, 66.5062.



This preview shows how white text looks on a background with the XYZ color 24.2231, 11.0729,

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

24.2231, 11.0729, 66.5062

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.3427, 11.5254, 38.1860



Tritanopia

13.1629, 11.3899, 11.4022

Trichromacy



Original Color

24.2231, 11.0729, 66.5062



Protanomaly

13.6928, 8.1491, 56.7284



Deuteranomaly

12.0027, 7.8147, 46.7747



Tritanomaly

15.0875, 9.2843, 24.6638

Monochromacy



Original Color

24.2231, 11.0729, 66.5062



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.4433, 5.8482, 19.3700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2231, 11.0729, 66.5062 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(145, 2, 217)` looks like.

```
.text, #text, p{  
    color:rgb(145, 2, 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(145, 2, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 2, 217) }
```

Border

The CSS property to change the border of an element to XYZ 24.2231, 11.0729, 66.5062 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(145, 2, 217) }
```


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

```
.border{ border-color:rgb(145, 2, 217) }
```

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

Here you see how a box with a 4 pixel rgb(145, 2, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 2, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 2, 217);  
box-shadow:4px 4px 4px 4px rgb(145, 2,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2231, 11.0729, 66.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 2, 217) }
```

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

```
.background{ background-color: rgb(145, 2,  
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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