

Converting Colors

XYZ(24.0833, 11.0485, 62.9189)

Have a look what the booklet for
XYZ(24.0833, 11.0485, 62.9189)
contains.

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Color

**XYZ(24.0964, 11.0494,
63.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	9400D4
RGB	148, 0, 212
RGB Percent	58%, 0%, 83%
CMY	0.4196, 1.0000, 0.1686
CMYK	0.30, 1.00, 0.00, 0.17
HSL	282°, 100%, 42%
HSV	282°, 100%, 83%
XYZ	24.0964, 11.0494, 63.1501
YIQ	68.4200, 20.1560, 97.3080

Conversions

Conversions Part 2

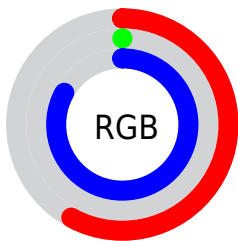
Format	Color
RYB	148, 0, 212
Decimal	9699540
CIELab	39.66, 76.52, -70.82
CIELCh	40, 104.264, 317.218
Yxy	11.0494, 0.2451, 0.1124
Android (android.graphics.Color)	4287889620 (0xFF9400D4)
YUV	68.4200, 70.7849, 69.7917
Hunter-Lab	33.2406, 71.2249, -89.3699

Details

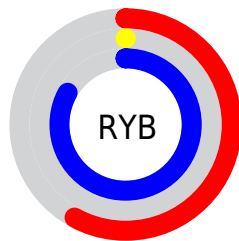
The XYZ color **24.0964, 11.0494, 63.1501** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **25.6582, 48.1773, 7.9470**, and the grayscale version is **5.4502, 5.7341, 6.2444**.

A 20% lighter version of the original color is **47.1557, 26.8164, 97.2984**, and **10.1206, 4.5241, 31.7923** is the 20% darker color. If you saturate the color by 10%, you get **24.0966, 11.0495, 63.1503**, and if you desaturate by 10%, it is **25.5589, 12.2070, 63.2967**.

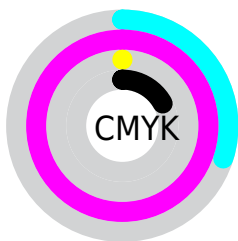
Distribution



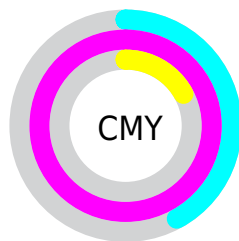
- Red (58%)
- Green (0%)
- Blue (83%)



- Red (58%)
- Yellow (0%)
- Blue (83%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (42%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0964, 11.0494, 63.1501 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 24.0964, 11.0494, 63.1501 by changing the saturation by 10% instead.


 24.0964, 11.0494,
63.1501


 24.0964, 11.0494,
63.1501


265.7389,
198.0062, 454.2370


 15.5303, 6.1001,
45.5209


 49.6410, 27.7515,
110.9737


 9.2811, 2.9060,
31.5220


 67.3502, 40.2730,
142.0051


 4.9836, 1.0829,
20.7348


 88.8377, 56.0874,
178.3411

 2.2723, 0.0000,
12.7410

 114.4691, 75.5791,
220.4000

 0.7804, 0.0000,
7.1218

 144.6095, 99.1324,
268.6006

 0.0000, 0.0000,
3.4588

 179.6244,

 0.0000, 0.0000,

127.1317, 323.3612

1.3334

219.8791,
159.9615, 385.1005

■ 0.0000, 0.0000,
0.0889

■ 0.0000, 0.0000,
0.0000

■ 24.0964, 11.0494,
63.1501

■ 24.0964, 11.0494,
63.1501

■ 24.0966, 11.0495,
63.1503

■ 25.5589, 12.2070,
63.2967

■ 27.3844, 13.9950,
63.5456

■ 29.6742, 16.6136,
63.9304

■ 32.4841, 20.1731,
64.4693

■ 35.8614, 24.7665,
65.1779

■ 39.8474, 30.4752,
66.0697

■ 44.4795, 37.3726,
67.1569

■ 49.7917, 45.5255,
68.4506

■ 55.8157, 54.9958,
69.9610

Harmonies

Analogous

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



15.0984, 11.0494, 101.7958



24.0964, 11.0494, 63.1501



30.3120, 11.0494, 22.9588

Triad

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



24.0964, 11.0494, 63.1501



13.8319, 11.0494, 0.0000



2.1016, 11.0494, 27.7699

Complementary

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



24.0964, 11.0494, 63.1501



25.6582, 48.1773, 7.9470

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.



2.0092, 11.0494, 5.2737



24.0964, 11.0494, 63.1501



6.9484, 11.0494, 0.0000

Square

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



24.0964, 11.0494, 63.1501



22.8164, 11.0494, 0.0000



3.3177, 11.0494, 0.0000



3.6775, 11.0494, 69.8549

Rectangle

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



24.0964, 11.0494, 63.1501



30.7824, 11.0494, 7.7464



3.3177, 11.0494, 0.0000



1.9335, 11.0494, 17.6603

Sweetspot

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



24.0970, 11.0498, 63.1504



67.3182, 56.4002, 101.9460



13.8991, 8.7842, 63.2506



13.7438, 11.0734, 21.6629



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.



24.0970, 11.0498, 63.1504



36.4146, 16.6873, 95.9094



34.7074, 17.0196, 41.0594



12.5711, 12.4358, 15.6753



14.9817, 6.8758, 38.9907



0.9856, 0.4570, 2.3556

Inverse Universe

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



28.0771, 14.3675, 6.1445



42.5789, 21.7955, 8.9804



23.9077, 47.2328, 9.7651



12.5760, 12.4819, 13.7076



17.3723, 8.8852, 3.9985



1.0842, 0.5505, 0.4328

Previews

White Background



This preview shows how the XYZ color 24.0964, 11.0494, 63.1501 looks on a white background.

Color Contrast Check

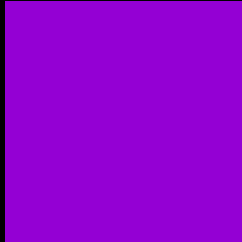
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0964, 11.0494, 63.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

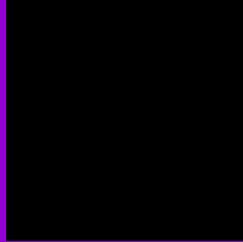
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0964, 11.0494, 63.1501

Background



This preview shows how black text looks on a background with the XYZ color 24.0964, 11.0494, 63.1501.



This preview shows how white text looks on a background with the XYZ color 24.0964, 11.0494,

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

24.0964, 11.0494, 63.1501

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.4356, 11.5625, 38.6749



Tritanopia

13.6488, 11.4198, 10.9361

Trichromacy



Original Color

24.0964, 11.0494, 63.1501



Protanomaly

13.6279, 8.1292, 56.1092



Deuteranomaly

11.8957, 7.6902, 46.2048



Tritanomaly

15.5679, 9.4183, 23.5517

Monochromacy



Original Color

24.0964, 11.0494, 63.1501



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

9.1838, 5.6252, 18.3710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0964, 11.0494, 63.1501 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(148, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 212)  
}
```

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(148, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 24.0964, 11.0494, 63.1501 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(148, 0, 212) }
```


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

```
.border{ border-color:rgb(148, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0964, 11.0494, 63.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 212) }
```

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

```
.background{ background-color: rgb(148, 0,  
212) }
```

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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