

Converting Colors

XYZ(23.9527, 11.2908, 48.8904)

Have a look what the booklet for
XYZ(23.9527, 11.2908, 48.8904)
contains.

XYZ(24.0856, 11.3555, 49.0665)	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(24.0856, 11.3555,
49.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	A200BD
RGB	162, 0, 189
RGB Percent	64%, 0%, 74%
CMY	0.3647, 1.0000, 0.2588
CMYK	0.14, 1.00, 0.00, 0.26
HSL	291°, 100%, 37%
HSV	291°, 100%, 74%
XYZ	24.0856, 11.3555, 49.0665
YIQ	69.9840, 35.8830, 93.1230

Conversions

Conversions Part 2

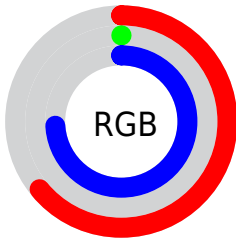
Format	Color
RYB	162, 0, 189
Decimal	10617021
CIELab	40.17, 74.28, -56.48
CIELCh	40, 93.317, 322.750
Yxy	11.3555, 0.2850, 0.1344
Android (android.graphics.Color)	4288807101 (0xFFA200BD)
YUV	69.9840, 58.6749, 80.6980
Hunter-Lab	33.6979, 68.6116, -62.7418

Details

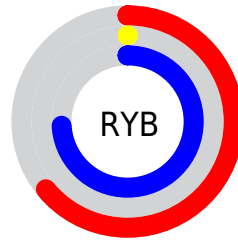
The XYZ color **24.0856, 11.3555, 49.0665** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **18.6500, 36.6285, 6.0874**, and the grayscale version is **5.7218, 6.0198, 6.5555**.

A 20% lighter version of the original color is **49.6237, 28.3666, 90.0486**, and **10.1989, 4.7525, 23.3015** is the 20% darker color. If you saturate the color by 10%, you get **24.0856, 11.3555, 49.0667**, and if you desaturate by 10%, it is **24.8718, 12.1043, 49.1698**.

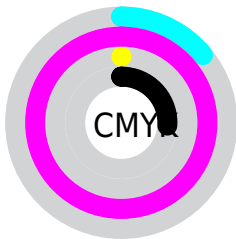
Distribution



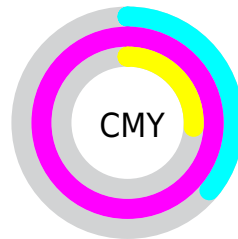
- Red (64%)
- Green (0%)
- Blue (74%)



- Red (64%)
- Yellow (0%)
- Blue (74%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)





- Cyan (36%)
- Magenta (100%)
- Yellow (26%)
- Black (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0856, 11.3555, 49.0665 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 24.0856, 11.3555, 49.0665 by changing the saturation by 10% instead.


 24.0856, 11.3555,
49.0665

 24.0856, 11.3555,
49.0665


265.6854,
200.0905, 399.6340


 15.5222, 6.3065,
34.3063


 49.6235, 28.3157,
90.1722

 9.2754, 3.0323,
22.8497


 67.3287, 40.9957,
117.3548


 4.9798, 1.1486,
14.2783


 88.8120, 56.9881,
149.5152

 2.2700, 0.0191,
8.1735

 114.4385, 76.6773,
187.0720

 0.7793, 0.0000,
4.1168

 144.5738,
100.4478, 230.4438

 0.0000, 0.0000,
1.6897

 179.5831,

 0.0000, 0.0000,

128.6839, 280.0490

0.3536

219.8319,
161.7700, 336.3062

■ 0.0000, 0.0000,
0.0000

■ 24.0856, 11.3555,
49.0665

■ 24.0856, 11.3555,
49.0665

■ 24.0856, 11.3555,
49.0667

■ 24.8718, 12.1043,
49.1698

■ 25.8939, 13.3077,
49.3482

■ 27.2339, 15.1294,
49.6292

■ 28.9330, 17.6514,
50.0264

■ 31.0258, 20.9431,
50.5515

■ 33.5431, 25.0655,
51.2145

■ 36.5121, 30.0734,
52.0247

■ 39.9581, 36.0171,
52.9903

■ 43.9043, 42.9427,
54.1191

Harmonies

Analogous

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



16.3739, 11.3555, 83.2834



24.0856, 11.3555, 49.0665



28.5087, 11.3555, 17.4452

Triad

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



24.0856, 11.3555, 49.0665



12.4458, 11.3555, 0.0000



2.8905, 11.3555, 31.9743

Complementary

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



24.0856, 11.3555, 49.0665



18.6500, 36.6285, 6.0874

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.



2.5434, 11.3555, 8.3801



24.0856, 11.3555, 49.0665



6.6507, 11.3555, 0.0000

Square

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



24.0856, 11.3555, 49.0665



20.2458, 11.3555, 0.0000



3.5954, 11.3555, 0.8935



4.8646, 11.3555, 68.2102

Rectangle

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



24.0856, 11.3555, 49.0665



28.1132, 11.3555, 6.0350



3.5954, 11.3555, 0.8935



2.6236, 11.3555, 22.0479

Sweetspot

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



24.0861, 11.3560, 49.0667



65.1150, 53.3871, 93.0990



9.6093, 4.5219, 48.5107



13.5025, 10.6319, 19.8831



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.0861, 11.3560, 49.0667



42.9804, 20.2568, 87.8708



24.5525, 12.2455, 19.7607



9.7924, 9.6253, 12.0140



16.2548, 7.6657, 33.0158



0.6739, 0.3195, 1.2950

Inverse Universe

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



21.1844, 10.8983, 2.0246



37.8894, 19.4977, 3.3543



19.1859, 36.7906, 11.2688



9.5842, 9.5580, 10.1995



14.2708, 7.3395, 1.4535



0.5771, 0.2947, 0.1520

Previews

White Background



This preview shows how the XYZ color 24.0856, 11.3555, 49.0665 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

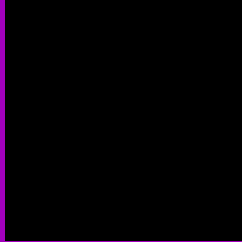
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0856, 11.3555, 49.0665

Background



This preview shows how black text looks on a background with the XYZ color 24.0856, 11.3555, 49.0665.



This preview shows how white text looks on a background with the XYZ color 24.0856, 11.3555,

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

24.0856, 11.3555, 49.0665

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

12.1997, 12.0188, 42.2343



Tritanopia

16.0728, 11.7580, 8.8195

Trichromacy



Original Color

24.0856, 11.3555, 49.0665



Protanomaly

13.2698, 8.1017, 52.4941



Deuteranomaly

11.8194, 7.7801, 44.0588



Tritanomaly

17.4832, 10.1372, 18.4880

Monochromacy



Original Color

24.0856, 11.3555, 49.0665



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5125, 5.9526, 16.2704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0856, 11.3555, 49.0665 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(162, 0, 189)` looks like.

```
.text, #text, p{  
  color:rgb(162, 0, 189)  
}
```

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(162, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 24.0856, 11.3555, 49.0665 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(162, 0, 189) }
```


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

```
.border{ border-color:rgb(162, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(162, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0856, 11.3555, 49.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 189) }
```

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

```
.background{ background-color: rgb(162, 0,  
189) }
```

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