

Converting Colors

XYZ(24.4321, 11.6905, 42.0171)

Have a look what the booklet for
XYZ(24.4321, 11.6905, 42.0171)
contains.

XYZ(24.4140, 11.6806, 42.0421)	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(24.4140, 11.6806,
42.0421)**

Conversions

Conversions Part 1

Format	Color
Hex	AA00B0
RGB	170, 0, 176
RGB Percent	67%, 0%, 69%
CMY	0.3333, 0.9999, 0.3098
CMYK	0.03, 1.00, 0.00, 0.31
HSL	298°, 100%, 35%
HSV	298°, 100%, 69%
XYZ	24.4140, 11.6806, 42.0421
YIQ	70.8940, 44.8240, 90.7760

Conversions

Conversions Part 2

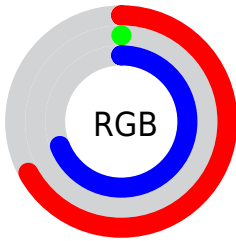
Format	Color
RYB	170, 0, 176
Decimal	11141296
CIELab	40.70, 73.42, -47.87
CIELCh	41, 87.650, 326.896
Yxy	11.6806, 0.3125, 0.1495
Android (android.graphics.Color)	4289331376 (0xFFAA00B0)
YUV	70.8940, 51.8173, 86.9160
Hunter-Lab	34.1769, 67.7005, -49.0107

Details

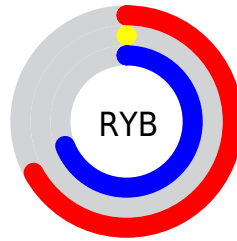
The XYZ color **24.4140, 11.6806, 42.0421** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.6008, 31.0896, 5.1791**, and the grayscale version is **5.8831, 6.1895, 6.7404**.

A 20% lighter version of the original color is **50.0489, 28.8249, 79.2698**, and **10.3852, 4.9408, 19.1452** is the 20% darker color. If you saturate the color by 10%, you get **24.4142, 11.6807, 42.0423**, and if you desaturate by 10%, it is **24.7545, 12.1681, 42.1184**.

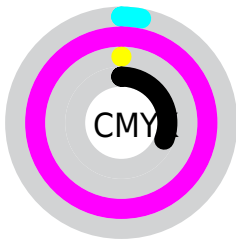
Distribution



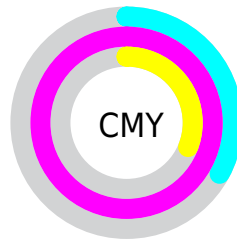
- Red (67%)
- Green (0%)
- Blue (69%)



- Red (67%)
- Yellow (0%)
- Blue (69%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4140, 11.6806, 42.0421 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 24.4140, 11.6806, 42.0421 by changing the saturation by 10% instead.

 24.4140, 11.6806,
42.0421


 24.4140, 11.6806,
42.0421


267.3087,
202.2792, 370.4622

 15.7674, 6.5266,
28.8084


 50.1547, 28.9120,
79.5341

 9.4495, 3.1678,
18.6916


 67.9796, 41.7582,
104.6296


 5.0950, 1.2200,
11.2731


 89.5945, 57.9373,
134.5160

 2.3384, 0.0779,
6.1344

 115.3650, 77.8336,
169.6120

 0.8142, 0.0000,
2.8568

 145.6563,
101.8315, 210.3361

 0.0000, 0.0000,
1.0220

 180.8337,

 0.0000, 0.0000,

130.3155, 257.1068

0.0000

221.2628,
163.6699, 310.3427

■ 24.4140, 11.6806,
42.0421

■ 24.4140, 11.6806,
42.0421

■ 24.4142, 11.6807,
42.0423

■ 24.7545, 12.1681,
42.1184

■ 25.2823, 13.0300,
42.2569

■ 26.0709, 14.4123,
42.4822

■ 27.1542, 16.3833,
42.8055

■ 28.5614, 19.0011,
43.2367

■ 30.3179, 22.3167,
43.7841

■ 32.4467, 26.3760,
44.4554

■ 34.9689, 31.2212,
45.2577

■ 37.9038, 36.8911,
46.1974

Harmonies

Analogous

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



17.4291, 11.6806, 74.1183



24.4140, 11.6806, 42.0421



27.8092, 11.6806, 14.6620

Triad

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



24.4140, 11.6806, 42.0421



11.7615, 11.6806, 0.0000



3.4935, 11.6806, 35.3166

Complementary

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



24.4140, 11.6806, 42.0421



15.6008, 31.0896, 5.1791

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.



2.9365, 11.6806, 10.9543



24.4140, 11.6806, 42.0421



6.5281, 11.6806, 0.0000

Square

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



24.4140, 11.6806, 42.0421



18.9866, 11.6806, 0.0000



3.8014, 11.6806, 1.6905



5.7729, 11.6806, 68.2798

Rectangle

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



24.4140, 11.6806, 42.0421



26.9007, 11.6806, 5.1420



3.8014, 11.6806, 1.6905



3.1465, 11.6806, 25.4752

Sweetspot

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



24.4145, 11.6811, 42.0423



58.6234, 47.4085, 80.5563



7.9324, 3.3261, 41.2984



12.3458, 9.5886, 17.3444



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.4145, 11.6811, 42.0423



44.2380, 21.1637, 76.2487



20.0534, 10.0900, 12.1529



8.8208, 8.6317, 10.7075



17.9235, 8.5757, 30.8476



0.5728, 0.2744, 0.9710

Inverse Universe

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



17.9377, 9.2437, 1.0115



32.5157, 16.7575, 1.7454



16.9445, 31.6184, 12.6470



8.5077, 8.5098, 8.9060



13.1654, 6.7837, 0.7653



0.4181, 0.2150, 0.0444

Previews

White Background



This preview shows how the XYZ color 24.4140, 11.6806, 42.0421 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 24.4140, 11.6806, 42.0421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

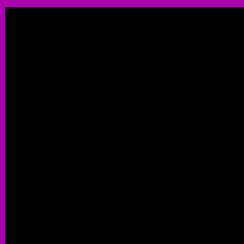
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4140, 11.6806, 42.0421

Background



This preview shows how black text looks on a background with the XYZ color 24.4140, 11.6806, 42.0421.



This preview shows how white text looks on a background with the XYZ color 24.4140, 11.6806,

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

24.4140, 11.6806, 42.0421

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.6695, 12.3704, 37.3173



Tritanopia

17.4647, 12.0198, 7.8781

Trichromacy



Original Color

24.4140, 11.6806, 42.0421



Protanomaly

13.1169, 8.0616, 50.7339



Deuteranomaly

13.6583, 8.8525, 38.5249



Tritanomaly

18.6702, 10.6304, 16.1068

Monochromacy



Original Color

24.4140, 11.6806, 42.0421



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7621, 6.1067, 15.1322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4140, 11.6806, 42.0421 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(170, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 176)  
}
```

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(170, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 24.4140, 11.6806, 42.0421 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(170, 0, 176) }
```


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

```
.border{ border-color:rgb(170, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4140, 11.6806, 42.0421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 176) }
```

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

```
.background{ background-color: rgb(170, 0,  
176) }
```

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