

Converting Colors

XYZ(16.9169, 11.1029, 42.3000)

Have a look what the booklet for
XYZ(16.9169, 11.1029, 42.3000)
contains.

XYZ(16.8367, 11.0256, 42.3151)	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(16.8367, 11.0256,
42.3151)**

Conversions

Conversions Part 1

Format	Color
Hex	7146B0
RGB	113, 70, 176
RGB Percent	44%, 27%, 69%
CMY	0.5569, 0.7255, 0.3098
CMYK	0.36, 0.60, 0.00, 0.31
HSL	264°, 43%, 48%
HSV	264°, 60%, 69%
XYZ	16.8367, 11.0256, 42.3151
YIQ	94.9410, -8.3980, 42.0820

Conversions

Conversions Part 2

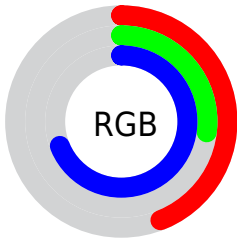
Format	Color
R_{YB}	113, 70, 176
Decimal	7423664
CIE _{Lab}	39.62, 41.05, -50.05
CIE _{LCh}	40, 64.731, 309.360
Yxy	11.0256, 0.2399, 0.1571
Android (android.graphics.Color)	4285613744 (0xFF7146B0)
YUV	94.9410, 39.9621, 15.8377
Hunter-Lab	33.2048, 32.4010, -52.3138

Details

The XYZ color **16.8367, 11.0256, 42.3151** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **26.3036, 36.4795, 11.4495**, and the grayscale version is **10.7724, 11.3334, 12.3421**.

A 20% lighter version of the original color is **37.4304, 27.5840, 79.6954**, and **5.6657, 2.9337, 19.0065** is the 20% darker color. If you saturate the color by 10%, you get **14.6237, 8.4832, 41.9412**, and if you desaturate by 10%, it is **19.5284, 14.2940, 42.8043**.

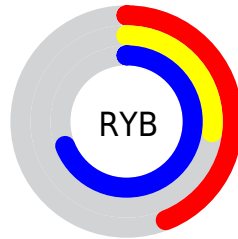
Distribution



Red (44%)

Green (27%)

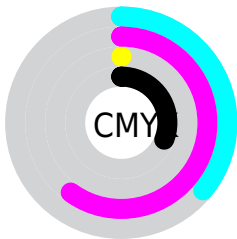
Blue (69%)



Red (44%)

Yellow (27%)

Blue (69%)

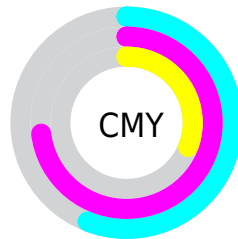


Cyan (36%)

Magenta (60%)

Yellow (0%)

Black (31%)



Cyan (56%)

Magenta (73%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8367, 11.0256, 42.3151 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 16.8367, 11.0256, 42.3151 by changing the saturation by 10% instead.

■ 16.8367, 11.0256,
42.3151

■ 16.8367, 11.0256,
42.3151

227.4042,
197.8431, 371.6256

■ 10.2127, 6.0841,
29.0207

■ 37.5906, 27.7075,
79.9515

■ 5.6036, 2.8963,
18.8508

■ 52.4513, 40.2166,
105.1306

■ 2.6439, 1.0778,
11.3868

■ 70.7882, 56.0171,
135.1084

■ 0.9684, 0.0000,
6.2102

■ 92.9667, 75.4933,
170.3033

■ 0.0000, 0.0000,
2.9025

■ 119.3522, 99.0296,
211.1339

■ 0.0000, 0.0000,
1.0450

150.3101,

■ 0.0000, 0.0000,

127.0104, 258.0188

0.0000

186.2056,

159.8201, 311.3766

■ 16.8367, 11.0256,
42.3151

■ 16.8367, 11.0256,
42.3151

■ 14.6237, 8.4832,
41.9412

■ 19.5284, 14.2940,
42.8043

■ 12.8536, 6.6046,
41.6719

■ 22.7279, 18.3408,
43.4168

■ 11.4871, 5.3187,
41.4957

■ 26.4635, 23.2152,
44.1608

■ 10.4645, 4.4894,
41.3896

■ 30.7609, 28.9614,
45.0434

■ 35.6439, 35.6207,
46.0714

■ 41.1349, 43.2318,
47.2511

■ 47.2551, 51.8308,
48.5883

■ 54.0247, 61.4523,
50.0886

■ 61.4628, 72.1288,
51.7574

Harmonies

Analogous

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



11.9214, 11.0256, 55.5100



16.8367, 11.0256, 42.3151



20.5985, 11.0256, 22.7744

Triad

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



16.8367, 11.0256, 42.3151



13.7653, 11.0256, 0.5412



4.1375, 11.0256, 16.4082

Complementary

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



16.8367, 11.0256, 42.3151



26.3036, 36.4795, 11.4495

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.



4.3742, 11.0256, 5.3131



16.8367, 11.0256, 42.3151



9.1588, 11.0256, 0.3109

Square

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



16.8367, 11.0256, 42.3151



18.5075, 11.0256, 2.2461



5.9656, 11.0256, 1.3122



5.1914, 11.0256, 34.9618

Rectangle

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



16.8367, 11.0256, 42.3151



21.4645, 11.0256, 12.2788



5.9656, 11.0256, 1.3122



4.0772, 11.0256, 11.7353

Sweetspot

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



16.8372, 11.0260, 42.3154



57.3993, 54.7046, 82.0291



18.8324, 21.3768, 44.2081



11.9222, 11.1560, 17.6693



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.



16.8372, 11.0260, 42.3154



25.4666, 14.2301, 75.8998



25.6273, 15.5574, 42.7267



8.3575, 8.3928, 10.6858



7.7407, 3.3263, 30.3710



0.3104, 0.1391, 0.9587

Inverse Universe

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



24.3284, 15.3041, 23.8616



40.8840, 23.0618, 36.6963



19.9902, 33.2248, 11.1540



8.7012, 8.5872, 9.9249



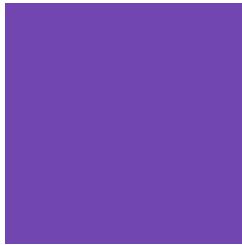
15.0222, 7.5264, 10.5429



0.5007, 0.2480, 0.4792

Previews

White Background



This preview shows how the XYZ color 16.8367, 11.0256, 42.3151 looks on a white background.

Color Contrast Check

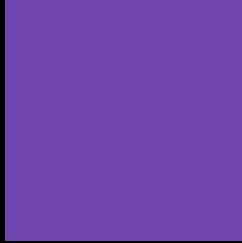
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8367, 11.0256, 42.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

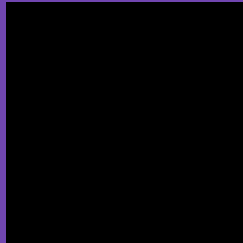
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8367, 11.0256, 42.3151

Background



This preview shows how black text looks on a background with the XYZ color 16.8367, 11.0256, 42.3151.



This preview shows how white text looks on a background with the XYZ color 16.8367, 11.0256,

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

16.8367, 11.0256, 42.3151

Protanopia

13.1706, 11.1181, 51.3210

Deuteranopia

11.2536, 11.0490, 39.0757



Tritanopia

11.0090, 11.0965, 13.3660

Trichromacy



Original Color

16.8367, 11.0256, 42.3151

Protanomaly

12.8706, 10.2031, 47.7454

Deuteranomaly

11.6886, 10.1056, 40.3642

Tritanomaly

12.5946, 10.7565, 21.4911

Monochromacy



Original Color

16.8367, 11.0256, 42.3151

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.4454, 10.9356, 20.5236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8367, 11.0256, 42.3151 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(113, 70, 176)` looks like.

```
.text, #text, p{  
    color:rgb(113, 70, 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(113, 70, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 70, 176) }
```

Border

The CSS property to change the border of an element to XYZ 16.8367, 11.0256, 42.3151 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(113, 70, 176) }
```


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

```
.border{ border-color:rgb(113, 70, 176) }
```

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

Here you see how a box with a 4 pixel rgb(113, 70, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 70, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 70, 176);  
box-shadow:4px 4px 4px 4px rgb(113, 70,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8367, 11.0256, 42.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 70, 176) }
```

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

```
.background{ background-color: rgb(113, 70,  
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