

Converting Colors

XYZ(16.6274, 12.7385, 38.9138)

Have a look what the booklet for
XYZ(16.6274, 12.7385, 38.9138)
contains.

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Color

**XYZ(16.6736, 12.7083,
39.1103)**

Conversions

Conversions Part 1

Format	Color
Hex	6C56A9
RGB	108, 86, 169
RGB Percent	42%, 34%, 66%
CMY	0.5765, 0.6627, 0.3373
CMYK	0.36, 0.49, 0.00, 0.34
HSL	256°, 33%, 50%
HSV	256°, 49%, 66%
XYZ	16.6736, 12.7083, 39.1103
YIQ	102.0400, -13.5310, 30.4770

Conversions

Conversions Part 2

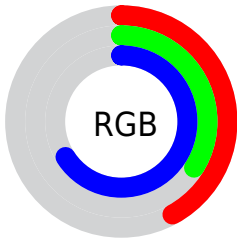
Format	Color
R_{YB}	108, 86, 169
Decimal	7100073
CIE _{Lab}	42.32, 28.52, -41.62
CIE _{LCh}	42, 50.450, 304.420
Yxy	12.7083, 0.2434, 0.1855
Android (android.graphics.Color)	4285290153 (0xFF6C56A9)
YUV	102.0400, 33.0113, 5.2269
Hunter-Lab	35.6487, 21.1027, -40.0931

Details

The XYZ color **16.6736, 12.7083, 39.1103** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **27.9003, 35.2510, 14.1381**, and the grayscale version is **12.5592, 13.2133, 14.3893**.

A 20% lighter version of the original color is **37.2951, 30.7259, 75.1992**, and **5.5421, 3.6193, 16.9295** is the 20% darker color. If you saturate the color by 10%, you get **14.0760, 9.5976, 38.6470**, and if you desaturate by 10%, it is **19.8065, 16.5689, 39.6906**.

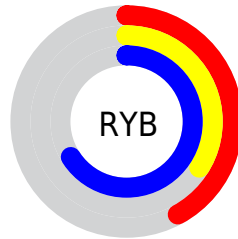
Distribution



Red (42%)

Green (34%)

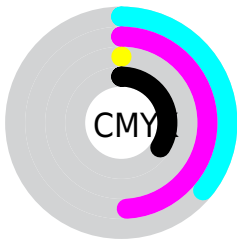
Blue (66%)



Red (42%)

Yellow (34%)

Blue (66%)

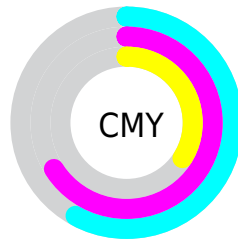


Cyan (36%)

Magenta (49%)

Yellow (0%)

Black (34%)



Cyan (58%)

Magenta (66%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6736, 12.7083, 39.1103 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 16.6736, 12.7083, 39.1103 by changing the saturation by 10% instead.

■ 16.6736, 12.7083,
39.1103

■ 16.6736, 12.7083,
39.1103

226.4774,
209.0397, 357.7992

■ 10.0959, 7.2280,
26.5371

■ 37.3118, 30.7787,
75.0290

■ 5.5253, 3.6051,
16.9965

■ 52.1030, 44.1376,
99.2115

■ 2.5966, 1.4552,
10.0701

■ 70.3628, 60.8915,
128.1009

■ 0.9442, 0.2569,
5.3392

■ 92.4565, 81.4248,
162.1156

■ 0.0000, 0.0000,
2.3854

■ 118.7494,
106.1219, 201.6743

■ 0.0000, 0.0000,
0.7785

149.6070,

■ 0.0000, 0.0000,

135.3671, 247.1954

0.0000

185.3946,
169.5449, 299.0975

■ 16.6736, 12.7083,
39.1103

■ 16.6736, 12.7083,
39.1103

■ 14.0760, 9.5976,
38.6470

■ 19.8065, 16.5689,
39.6906

■ 11.9801, 7.1850,
38.2918

■ 23.5023, 21.2237,
40.3943

■ 10.3511, 5.4143,
38.0359

■ 27.7884, 26.7150,
41.2283

■ 9.1481, 4.2196,
37.8687

■ 32.6899, 33.0816,
42.1988

■ 8.3001, 3.4758,
37.7698

■ 38.2305, 40.3602,
43.3117

■ 8.2348, 3.4179,
37.7621

■ 44.4326, 48.5850,
44.5724

■ 51.3175, 57.7887,
45.9860

■ 58.9054, 68.0022,
47.5575

■ 67.2158, 79.2552,
49.2915

Harmonies

Analogous

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



12.6480, 12.7083, 46.7228



16.6736, 12.7083, 39.1103



19.8975, 12.7083, 24.9187

Triad

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



16.6736, 12.7083, 39.1103



15.4988, 12.7083, 2.2702



6.1822, 12.7083, 15.5052

Complementary

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



16.6736, 12.7083, 39.1103



27.9003, 35.2510, 14.1381

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.



6.6350, 12.7083, 6.6519



16.6736, 12.7083, 39.1103



11.5270, 12.7083, 1.7272

Square

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



16.6736, 12.7083, 39.1103



19.1260, 12.7083, 5.0875



8.4168, 12.7083, 2.7861



7.0181, 12.7083, 29.2646

Rectangle

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



16.6736, 12.7083, 39.1103



20.8588, 12.7083, 15.9628



8.4168, 12.7083, 2.7861



6.1904, 12.7083, 11.9092

Sweetspot

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



16.6741, 12.7088, 39.1106



53.0080, 52.0377, 74.4756



21.6287, 26.1017, 41.4346



11.1787, 10.8565, 16.1585



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.6741, 12.7088, 39.1106



24.8173, 16.7288, 69.1461



22.7476, 15.8397, 39.3948



7.3114, 7.3931, 9.4600



6.1819, 2.5703, 28.1458



0.1975, 0.0868, 0.6870

Inverse Universe

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



24.9566, 17.1975, 29.6075



41.7098, 25.9072, 48.7023



21.9014, 32.1585, 13.8573



7.7557, 7.6322, 9.0309



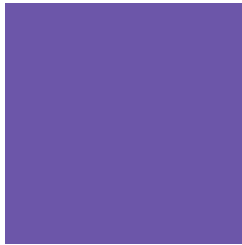
14.9386, 7.3841, 15.0199



0.3829, 0.1874, 0.4676

Previews

White Background



This preview shows how the XYZ color 16.6736, 12.7083, 39.1103 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 16.6736, 12.7083, 39.1103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

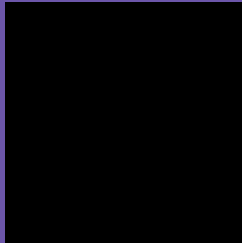
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6736, 12.7083, 39.1103

Background



This preview shows how black text looks on a background with the XYZ color 16.6736, 12.7083, 39.1103.



This preview shows how white text looks on a background with the XYZ color 16.6736, 12.7083,

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

16.6736, 12.7083, 39.1103

Protanopia

14.3764, 12.8053, 44.8940

Deuteranopia

13.2240, 12.9304, 37.8752



Tritanopia

11.9833, 12.6299, 15.9936

Trichromacy



Original Color

16.6736, 12.7083, 39.1103

Protanomaly

14.8114, 12.5411, 42.7143

Deuteranomaly

14.1384, 12.6923, 38.2639

Tritanomaly

13.3770, 12.5054, 22.8278

Monochromacy



Original Color

16.6736, 12.7083, 39.1103

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.6577, 12.8152, 21.4924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6736, 12.7083, 39.1103 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(108, 86, 169)` looks like.

```
.text, #text, p{  
    color:rgb(108, 86, 169)  
}
```

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(108, 86, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 86, 169) }
```

Border

The CSS property to change the border of an element to XYZ 16.6736, 12.7083, 39.1103 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(108, 86, 169) }
```


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

```
.border{ border-color:rgb(108, 86, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 86, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 86, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 86, 169);  
box-shadow:4px 4px 4px 4px rgb(108, 86,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6736, 12.7083, 39.1103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 86, 169) }
```

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

```
.background{ background-color: rgb(108, 86,  
169) }
```

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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