

Converting Colors

XYZ(16.9264, 14.9237, 39.2038)

Have a look what the booklet for
XYZ(16.9264, 14.9237, 39.2038)
contains.

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Color

**XYZ(16.9648, 14.9825,
39.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	6366A8
RGB	99, 102, 168
RGB Percent	39%, 40%, 66%
CMY	0.6118, 0.6000, 0.3412
CMYK	0.41, 0.39, 0.00, 0.34
HSL	237°, 28%, 52%
HSV	237°, 41%, 66%
XYZ	16.9648, 14.9825, 39.0436
YIQ	108.6270, -22.9740, 19.8900

Conversions

Conversions Part 2

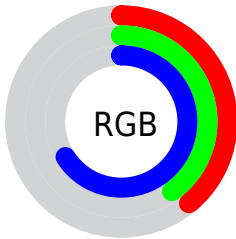
Format	Color
R _Y B	99, 102, 168
Decimal	6514344
CIE Lab	45.61, 15.96, -35.86
CIE LCh	46, 39.254, 293.986
Yxy	14.9825, 0.2390, 0.2110
Android (android.graphics.Color)	4284704424 (0xFF6366A8)
YUV	108.6270, 29.2709, -8.4429
Hunter-Lab	38.7072, 10.4962, -32.7102

Details

The XYZ color **16.9648, 14.9825, 39.0436** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.8563, 36.1367, 17.1011**, and the grayscale version is **14.3553, 15.1029, 16.4471**.

A 20% lighter version of the original color is **37.9826, 34.9366, 75.2625**, and **5.6330, 4.5745, 16.8057** is the 20% darker color. If you saturate the color by 10%, you get **13.8876, 11.2748, 38.4904**, and if you desaturate by 10%, it is **20.7311, 19.5004, 39.7174**.

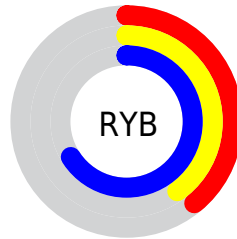
Distribution



Red (39%)

Green (40%)

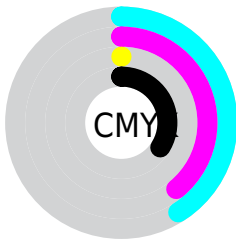
Blue (66%)



Red (39%)

Yellow (40%)

Blue (66%)

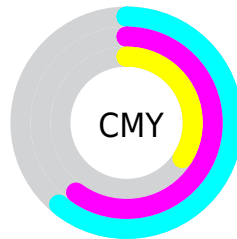


Cyan (41%)

Magenta (39%)

Yellow (0%)

Black (34%)



Cyan (61%)

Magenta (60%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9648, 14.9825, 39.0436 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 16.9648, 14.9825, 39.0436 by changing the saturation by 10% instead.

■ 16.9648, 14.9825,
39.0436

■ 16.9648, 14.9825,
39.0436

228.1296,
223.2603, 357.5073

■ 10.3045, 8.8071,
26.4856

■ 37.8093, 34.8225,
74.9260

■ 5.6652, 4.6156,
16.9582

■ 52.7243, 49.2558,
99.0874

■ 2.6813, 2.0235,
10.0431

■ 71.1216, 67.2107,
127.9537

■ 0.9875, 0.6211,
5.3215

■ 93.3665, 89.0713,
161.9435

■ 0.0000, 0.0000,
2.3751

119.8244,
115.2222, 201.4751

■ 0.0000, 0.0000,
0.7728

150.8606,

■ 0.0000, 0.0000,

146.0477, 246.9673

0.0000

186.8406,
181.9323, 298.8385

■ 16.9648, 14.9825,
39.0436

■ 16.9648, 14.9825,
39.0436

■ 13.8876, 11.2748,
38.4904

■ 20.7311, 19.5004,
39.7174

■ 11.4562, 8.3278,
38.0497

■ 25.2229, 24.8708,
40.5173

■ 9.6250, 6.0893,
37.7142

■ 30.4761, 31.1349,
41.4495

■ 8.3418, 4.4996,
37.4750

■ 36.5238, 38.3309,
42.5197

■ 7.5453, 3.4894,
37.3220

■ 43.3970, 46.4947,
43.7332

■ 7.1472, 2.9857,
37.2457

■ 51.1252, 55.6603,
45.0950

■ 59.7363, 65.8600,
46.6099

■ 69.2571, 77.1249,
48.2825

■ 79.7130, 89.4844,
50.1170

Harmonies

Analogous

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



13.5890, 14.9825, 41.7187



16.9648, 14.9825, 39.0436



19.9834, 14.9825, 29.4252

Triad

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



16.9648, 14.9825, 39.0436



18.2855, 14.9825, 5.6217



8.8383, 14.9825, 14.4909

Complementary

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



16.9648, 14.9825, 39.0436



31.8563, 36.1367, 17.1011

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.



9.7189, 14.9825, 7.8227



16.9648, 14.9825, 39.0436



14.9124, 14.9825, 4.1278

Square

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



16.9648, 14.9825, 39.0436



20.8242, 14.9825, 10.0107



11.8245, 14.9825, 4.7408



9.2150, 14.9825, 24.8249

Rectangle

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



16.9648, 14.9825, 39.0436



21.2134, 14.9825, 21.8286



11.8245, 14.9825, 4.7408



8.9922, 14.9825, 11.8154

Sweetspot

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



16.9654, 14.9830, 39.0440



54.1342, 55.1061, 75.0085



25.8993, 33.3586, 40.4571



11.5314, 11.6920, 16.3012



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.



16.9654, 14.9830, 39.0440



25.7926, 21.1743, 69.9527



20.7439, 16.5013, 39.1379



7.1570, 7.3509, 9.4600



5.4072, 2.2745, 28.1295



0.1395, 0.0712, 0.6870

Inverse Universe

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



23.0090, 18.2084, 14.8727



38.2630, 27.9333, 20.0551



26.5636, 34.2207, 17.0103



7.5438, 7.5474, 7.9150



12.2299, 6.3007, 0.7562



0.3016, 0.1549, 0.0395

Previews

White Background



This preview shows how the XYZ color 16.9648, 14.9825, 39.0436 looks on a white background.

Color Contrast Check

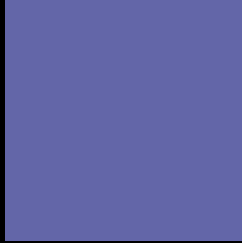
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9648, 14.9825, 39.0436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

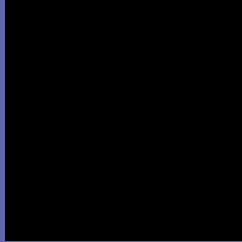
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9648, 14.9825, 39.0436

Background



This preview shows how black text looks on a background with the XYZ color 16.9648, 14.9825, 39.0436.

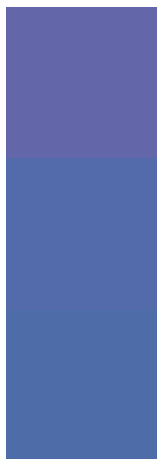


This preview shows how white text looks on a background with the XYZ color 16.9648, 14.9825,

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

16.9648, 14.9825, 39.0436

Protanopia

16.0720, 15.0873, 40.5931

Deuteranopia

15.4795, 15.1348, 38.6647



Tritanopia

13.1758, 14.9951, 20.2891

Trichromacy



Original Color

16.9648, 14.9825, 39.0436

Protanomaly

16.4271, 15.1293, 40.0847

Deuteranomaly

15.9668, 15.0765, 38.6277

Tritanomaly

14.2644, 14.7842, 26.1466

Monochromacy



Original Color

16.9648, 14.9825, 39.0436

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0090, 14.9230, 23.2085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9648, 14.9825, 39.0436 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(99, 102, 168)` looks like.

```
.text, #text, p{  
    color:rgb(99, 102, 168)  
}
```

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(99, 102, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 102, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.9648, 14.9825, 39.0436 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(99, 102, 168) }
```


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

```
.border{ border-color:rgb(99, 102, 168) }
```

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

Here you see how a box with a 4 pixel rgb(99, 102, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 102, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 102, 168);  
box-shadow:4px 4px 4px 4px rgb(99, 102,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9648, 14.9825, 39.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 102, 168) }
```

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

```
.background{ background-color: rgb(99, 102,  
168) }
```

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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