

Converting Colors

XYZ(16.4700, 17.9785, 39.0073)

Have a look what the booklet for
XYZ(16.4700, 17.9785, 39.0073)
contains.

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Color

**XYZ(16.5331, 18.0487,
39.1716)**

Conversions

Conversions Part 1

Format	Color
Hex	477AA7
RGB	71, 122, 167
RGB Percent	28%, 48%, 65%
CMY	0.7216, 0.5216, 0.3451
CMYK	0.57, 0.27, 0.00, 0.35
HSL	208°, 40%, 47%
HSV	208°, 57%, 65%
XYZ	16.5331, 18.0487, 39.1716
YIQ	111.8810, -44.8410, 3.1830

Conversions

Conversions Part 2

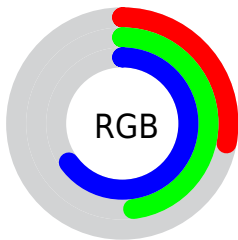
Format	Color
R _Y B	71, 104, 167
Decimal	4684455
CIE Lab	49.56, -3.46, -29.22
CIE LCh	50, 29.421, 263.256
Yxy	18.0487, 0.2242, 0.2447
Android (android.graphics.Color)	4282874535 (0xFF477AA7)
YUV	111.8810, 27.1737, -35.8526
Hunter-Lab	42.4838, -4.8810, -24.9289

Details

The XYZ color **16.5331, 18.0487, 39.1716** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.3197, 21.1620, 8.8175**, and the grayscale version is **15.2992, 16.0959, 17.5284**.

A 20% lighter version of the original color is **36.9251, 39.9817, 74.8783**, and **5.5433, 6.1354, 17.1117** is the 20% darker color. If you saturate the color by 10%, you get **14.5497, 15.6566, 38.8148**, and if you desaturate by 10%, it is **18.9317, 20.7705, 39.5709**.

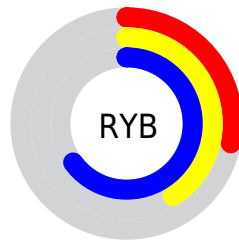
Distribution



Red (28%)

Green (48%)

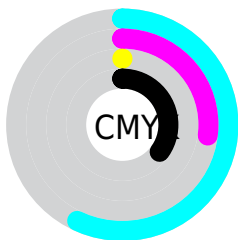
Blue (65%)



Red (28%)

Yellow (41%)

Blue (65%)

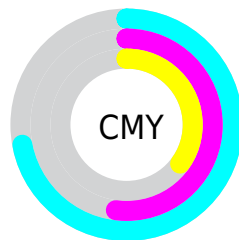


Cyan (57%)

Magenta (27%)

Yellow (0%)

Black (35%)



Cyan (72%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5331, 18.0487, 39.1716 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 16.5331, 18.0487, 39.1716 by changing the saturation by 10% instead.

■ 16.5331, 18.0487,
39.1716

■ 16.5331, 18.0487,
39.1716

■ 225.6763,
241.1454, 358.0672

■ 9.9954, 10.9850,
26.5844

■ 37.0713, 40.1203,
75.1236

■ 5.4582, 6.0567,
17.0317

■ 51.8024, 55.8969,
99.3255

■ 2.5560, 2.8796,
10.0949

■ 69.9955, 75.3467,
128.2360

■ 0.9236, 1.0692,
5.3555

■ 92.0158, 98.8539,
162.2738

■ 0.0000, 0.0000,
2.3949

■ 118.2286,
126.8029, 201.8572

■ 0.0000, 0.0000,
0.7837

148.9994,

■ 0.0000, 0.0000,

159.5783, 247.4049

0.0000

184.6935,
197.5643, 299.3354

■ 16.5331, 18.0487,
39.1716

■ 16.5331, 18.0487,
39.1716

■ 14.5497, 15.6566,
38.8148

■ 18.9317, 20.7705,
39.5709

■ 12.9496, 13.5741,
38.4971

■ 21.7706, 23.8365,
40.0131

■ 11.6986, 11.7809,
38.2170

■ 25.0748, 27.2624,
40.5002

■ 10.7423, 10.2463,
37.9711

■ 28.8669, 31.0623,
41.0338

■ 10.5241, 9.8880,
37.9135

■ 33.1677, 35.2495,
41.6153

■ 37.9970, 39.8362,
42.2461

■ 43.3733, 44.8345,
42.9275

■ 49.3143, 50.2554,
43.6607

■ 55.8368, 56.1100,
44.4470

Harmonies

Analogous

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



14.1445, 18.0487, 34.6928



16.5331, 18.0487, 39.1716



19.3587, 18.0487, 37.3926

Triad

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



16.5331, 18.0487, 39.1716



22.5640, 18.0487, 14.1940



13.2091, 18.0487, 11.8264

Complementary

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



16.5331, 18.0487, 39.1716



23.3197, 21.1620, 8.8175

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.



15.1248, 18.0487, 8.6555



16.5331, 18.0487, 39.1716



20.5643, 18.0487, 9.7413

Square

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



16.5331, 18.0487, 39.1716



23.0455, 18.0487, 21.5099



17.7918, 18.0487, 8.0118



12.3645, 18.0487, 17.9042

Rectangle

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



16.5331, 18.0487, 39.1716



21.0950, 18.0487, 33.0818



17.7918, 18.0487, 8.0118



13.7385, 18.0487, 10.4600

Sweetspot

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



16.5337, 18.0493, 39.1720



51.8251, 55.7553, 73.5057



19.5586, 30.2338, 21.2677



11.2905, 12.1732, 16.4067



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.



16.5337, 18.0493, 39.1720



25.1983, 26.9538, 69.3498



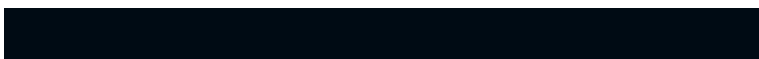
12.0364, 9.0546, 37.6729



7.4493, 7.9356, 9.5574



8.1025, 7.6653, 29.0280



0.2477, 0.2876, 0.7231

Inverse Universe

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



21.7030, 14.1278, 19.9960



35.7982, 20.8461, 29.5946



30.3138, 35.1503, 11.1489



7.6914, 7.6064, 8.6921



13.5904, 6.8449, 7.9205



0.3562, 0.1767, 0.3270

Previews

White Background



This preview shows how the XYZ color 16.5331, 18.0487, 39.1716 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 16.5331, 18.0487, 39.1716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

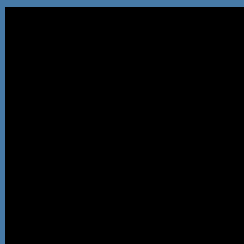
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

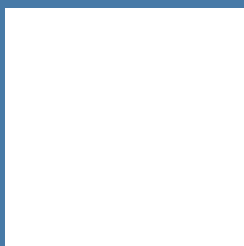
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5331, 18.0487, 39.1716

Background



This preview shows how black text looks on a background with the XYZ color 16.5331, 18.0487, 39.1716.

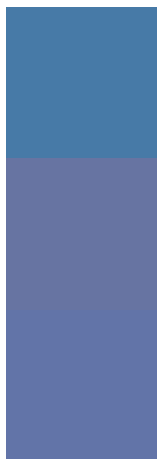


This preview shows how white text looks on a background with the XYZ color 16.5331, 18.0487,

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

16.5331, 18.0487, 39.1716

Protanopia

18.3605, 17.9830, 36.6858

Deuteranopia

18.3503, 17.9146, 39.5365



Tritanopia

13.9804, 17.9435, 26.7714

Trichromacy



Original Color

16.5331, 18.0487, 39.1716

Protanomaly

17.4937, 17.8613, 37.6475

Deuteranomaly

17.5708, 17.8587, 39.5668

Tritanomaly

14.8083, 17.8939, 31.1072

Monochromacy



Original Color

16.5331, 18.0487, 39.1716

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3400, 16.6981, 24.2443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5331, 18.0487, 39.1716 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(71, 122, 167)` looks like.

```
.text, #text, p{  
    color:rgb(71, 122, 167)  
}
```

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(71, 122, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 122, 167) }
```

Border

The CSS property to change the border of an element to XYZ 16.5331, 18.0487, 39.1716 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(71, 122, 167) }
```


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

```
.border{ border-color:rgb(71, 122, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 122, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 122, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 122, 167);  
box-shadow:4px 4px 4px 4px rgb(71, 122,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5331, 18.0487, 39.1716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 122, 167) }
```

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

```
.background{ background-color: rgb(71, 122,  
167) }
```

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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