

Converting Colors

XYZ(16.8491, 18.4693, 41.2870)

Have a look what the booklet for
XYZ(16.8491, 18.4693, 41.2870)
contains.

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Color

**XYZ(16.8731, 18.5489,
41.2191)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 437CAB |
| RGB | 67, 124, 171 |
| RGB Percent | 26%, 49%, 67% |
| CMY | 0.7372, 0.5137, 0.3294 |
| CMYK | 0.61, 0.27, 0.00, 0.33 |
| HSL | 207°, 44%, 47% |
| HSV | 207°, 61%, 67% |
| XYZ | 16.8731, 18.5489, 41.2191 |
| YIQ | 112.3150, -49.0590, 2.5330 |

Conversions

Conversions Part 2

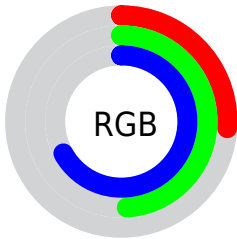
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 67, 104, 171 |
| Decimal | 4422827 |
| CIE _{Lab} | 50.16, -4.14, -30.62 |
| CIE _{LCh} | 50, 30.898, 262.297 |
| Yxy | 18.5489, 0.2202, 0.2420 |
| Android (android.graphics.Color) | 4282612907 (0xFF437CAB) |
| YUV | 112.3150, 28.9317, -39.7413 |
| Hunter-Lab | 43.0684, -5.4381, -26.5962 |

Details

The XYZ color **16.8731, 18.5489, 41.2191** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.8259, 21.0990, 8.1278**, and the grayscale version is **15.4223, 16.2254, 17.6695**.

A 20% lighter version of the original color is **37.7026, 40.8818, 78.5769**, and **5.7861, 6.3402, 18.0584** is the 20% darker color. If you saturate the color by 10%, you get **14.9385, 16.1700, 40.8623**, and if you desaturate by 10%, it is **19.2311, 21.2594, 41.6184**.

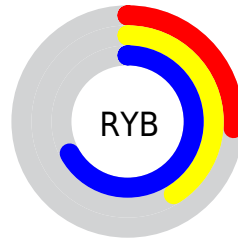
Distribution



Red (26%)

Green (49%)

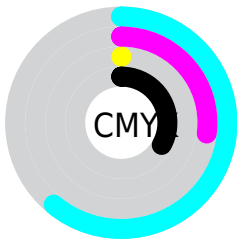
Blue (67%)



Red (26%)

Yellow (41%)

Blue (67%)

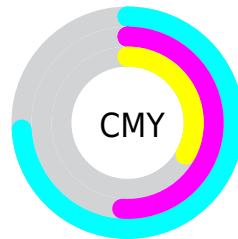


Cyan (61%)

Magenta (27%)

Yellow (0%)

Black (33%)



Cyan (74%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8731, 18.5489, 41.2191 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 16.8731, 18.5489, 41.2191 by changing the saturation by 10% instead.

■ 16.8731, 18.5489,
41.2191

■ 16.8731, 18.5489,
41.2191

227.6106,
243.9470, 366.9392

■ 10.2388, 11.3448,
28.1693

■ 37.6528, 40.9704,
78.2737

■ 5.6211, 6.2992,
18.2132

■ 52.5289, 56.9567,
103.1155

■ 2.6545, 3.0279,
10.9321

■ 70.8830, 76.6390,
132.7252

■ 0.9738, 1.1463,
5.9076

■ 93.0804, 100.4019,
167.5212

■ 0.0000, 0.0172,
2.7211

■ 119.4865,
128.6298, 207.9221

■ 0.0000, 0.0000,
0.9540

150.4667,

■ 0.0000, 0.0000,

161.7070, 254.3463

0.0000

186.3862,
200.0179, 307.2125

■ 16.8731, 18.5489,
41.2191

■ 16.8731, 18.5489,
41.2191

■ 14.9385, 16.1700,
40.8623

■ 19.2311, 21.2594,
41.6184

■ 13.3920, 14.1010,
40.5444

■ 22.0397, 24.3171,
42.0605

■ 12.1954, 12.3199,
40.2637

■ 25.3262, 27.7387,
42.5477

■ 11.3286, 10.8960,
40.0345

■ 29.1149, 31.5391,
43.0816

■ 33.4283, 35.7322,
43.6636

■ 38.2875, 40.3310,
44.2952

■ 43.7124, 45.3481,
44.9776

■ 49.7219, 50.7951,
45.7123

■ 56.3338, 56.6834,
46.5004

Harmonies

Analogous

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



14.3524, 18.5489, 36.1650



16.8731, 18.5489, 41.2191



19.8952, 18.5489, 39.5071

Triad

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



16.8731, 18.5489, 41.2191



23.4821, 18.5489, 14.5873



13.4734, 18.5489, 11.7298

Complementary

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



16.8731, 18.5489, 41.2191



23.8259, 21.0990, 8.1278

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.



15.5439, 18.5489, 8.4987



16.8731, 18.5489, 41.2191



21.3725, 18.5489, 9.7949

Square

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



16.8731, 18.5489, 41.2191



23.9412, 18.5489, 22.4774



18.4096, 18.5489, 7.9070



12.5388, 18.5489, 18.0755

Rectangle

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



16.8731, 18.5489, 41.2191



21.7752, 18.5489, 34.9321



18.4096, 18.5489, 7.9070



14.0477, 18.5489, 10.3263

Sweetspot

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



16.8738, 18.5496, 41.2196



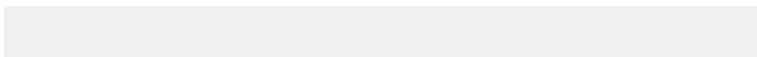
53.9826, 58.2930, 77.4084



19.9043, 31.5300, 20.8978



11.5726, 12.5415, 17.1985



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.8738, 18.5496, 41.2196



25.7157, 27.6106, 72.9759



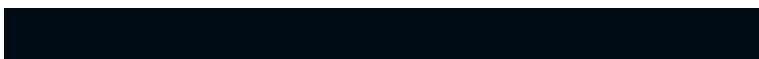
11.9965, 8.7951, 39.5938



7.9290, 8.4574, 10.1672



8.5932, 8.3202, 30.1976



0.2927, 0.3388, 0.8580

Inverse Universe

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



22.4404, 14.1283, 20.6137



37.0865, 20.8862, 30.3681



31.4081, 36.2635, 10.6552



8.1820, 8.0860, 9.2690



14.2011, 7.1430, 8.7043



0.4222, 0.2096, 0.3849

Previews

White Background



This preview shows how the XYZ color 16.8731, 18.5489, 41.2191 looks on a white 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

Black Background



This preview shows how the XYZ color 16.8731, 18.5489, 41.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

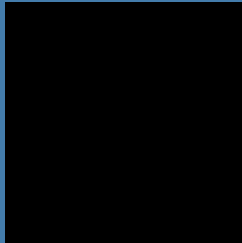
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8731, 18.5489, 41.2191

Background



This preview shows how black text looks on a background with the XYZ color 16.8731, 18.5489, 41.2191.

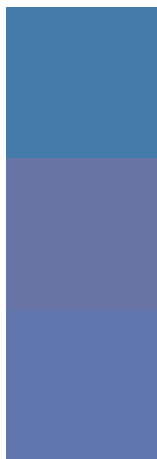


This preview shows how white text looks on a background with the XYZ color 16.8731, 18.5489,

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

16.8731, 18.5489, 41.2191

Protanopia

18.9531, 18.4188, 38.6326

Deuteranopia

18.8546, 18.4768, 41.6024



Tritanopia

14.1845, 18.6156, 27.6565

Trichromacy



Original Color

16.8731, 18.5489, 41.2191

Protanomaly

18.0987, 18.4842, 39.6597

Deuteranomaly

18.0006, 18.3899, 41.6306

Tritanomaly

15.0500, 18.5722, 32.0697

Monochromacy



Original Color

16.8731, 18.5489, 41.2191

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3029, 16.6710, 24.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8731, 18.5489, 41.2191 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(67, 124, 171)` looks like.

```
.text, #text, p{  
    color:rgb(67, 124, 171)  
}
```

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(67, 124, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 124, 171) }
```

Border

The CSS property to change the border of an element to XYZ 16.8731, 18.5489, 41.2191 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(67, 124, 171) }
```


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

```
.border{ border-color:rgb(67, 124, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 124, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 124, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 124, 171);  
box-shadow:4px 4px 4px 4px rgb(67, 124,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8731, 18.5489, 41.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 124, 171) }
```

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

```
.background{ background-color: rgb(67, 124,  
171) }
```

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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