

Converting Colors

XYZ(19.2841, 16.4400, 68.4865)

Have a look what the booklet for
XYZ(19.2841, 16.4400, 68.4865)
contains.

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Color

**XYZ(19.2841, 16.4400,
68.4865)**

Conversions

Conversions Part 1

Format	Color
Hex	316CDA
RGB	49, 108, 218
RGB Percent	19%, 42%, 85%
CMY	0.8078, 0.5765, 0.1451
CMYK	0.78, 0.50, 0.00, 0.15
HSL	219°, 70%, 52%
HSV	219°, 78%, 85%
XYZ	19.2841, 16.4400, 68.4865
YIQ	102.8990, -70.4740, 21.7020

Conversions

Conversions Part 2

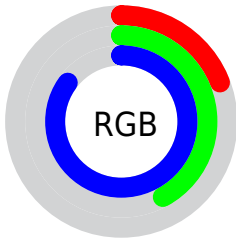
Format	Color
R_{YB}	49, 93, 218
Decimal	3239130
CIE _{Lab}	47.55, 19.90, -61.80
CIE _{LCh}	48, 64.922, 287.846
Yxy	16.4400, 0.1850, 0.1578
Android (android.graphics.Color)	4281429210 (0xFF316CDA)
YUV	102.8990, 56.7448, -47.2694
Hunter-Lab	40.5463, 13.9399, -71.7641

Details

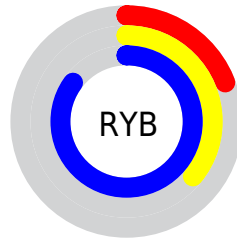
The XYZ color **19.2841, 16.4400, 68.4865** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **41.8691, 39.9291, 8.4077**, and the grayscale version is **12.7351, 13.3983, 14.5908**.

A 20% lighter version of the original color is **38.0559, 35.9382, 99.5387**, and **8.2442, 6.0539, 34.9164** is the 20% darker color. If you saturate the color by 10%, you get **17.0984, 13.2695, 67.9901**, and if you desaturate by 10%, it is **22.2229, 20.3605, 69.0888**.

Distribution



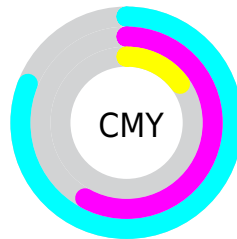
- Red (19%)
- Green (42%)
- Blue (85%)



- Red (19%)
- Yellow (36%)
- Blue (85%)



- Cyan (78%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)



- Cyan (81%)
- Magenta (58%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2841, 16.4400, 68.4865 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 19.2841, 16.4400, 68.4865 by changing the saturation by 10% instead.

■ 19.2841, 16.4400,
68.4865

■ 19.2841, 16.4400,
68.4865

240.9208,
231.9242, 473.8626

■ 11.9810, 9.8360,
49.8245

■ 41.7268, 37.3604,
118.7086

■ 6.8028, 5.2904,
34.9037

■ 57.5970, 52.4456,
151.1058

■ 3.3843, 2.4186,
23.3058

■ 77.0537, 71.1267,
188.9185

■ 1.3601, 0.8354,
14.6120

■ 100.4622, 93.7881,
232.5651

■ 0.2275, 0.0000,
8.4040

■ 128.1877,
120.8142, 282.4643

■ 0.0000, 0.0000,
4.2631

160.5958,

■ 0.0000, 0.0000,

152.5893, 339.0346

1.7707

198.0517,
189.4978, 402.6945

■ 0.0000, 0.0000,
0.4085

■ 0.0000, 0.0000,
0.0000

■ 19.2841, 16.4400,
68.4865

■ 19.2841, 16.4400,
68.4865

■ 17.0984, 13.2695,
67.9901

■ 22.2229, 20.3605,
69.0888

■ 15.5636, 10.7786,
67.5902

■ 25.9883, 25.0850,
69.8022

■ 15.2459, 10.2438,
67.5038

■ 30.6464, 30.6630,
70.6334

■ 36.2557, 37.1390,
71.5877

■ 42.8693, 44.5542,
72.6704

■ 50.5363, 52.9468,
73.8863

■ 59.3022, 62.3530,
75.2398

■ 69.2100, 72.8069,
76.7354

■ 80.3002, 84.3409,
78.3772

Harmonies

Analogous

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



13.4013, 16.4400, 70.5067



19.2841, 16.4400, 68.4865



25.3948, 16.4400, 48.8743

Triad

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



19.2841, 16.4400, 68.4865



24.3315, 16.4400, 3.1556



7.0863, 16.4400, 12.0019

Complementary

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



19.2841, 16.4400, 68.4865



41.8691, 39.9291, 8.4077

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.



8.7513, 16.4400, 3.9116



19.2841, 16.4400, 68.4865



18.0837, 16.4400, 1.3331

Square

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



19.2841, 16.4400, 68.4865



28.7676, 16.4400, 9.8122



12.4620, 16.4400, 1.4832



7.2562, 16.4400, 29.5302

Rectangle

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



19.2841, 16.4400, 68.4865



28.3406, 16.4400, 32.7807



12.4620, 16.4400, 1.4832



7.4289, 16.4400, 8.3825

Sweetspot

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



19.2849, 16.4405, 68.4870



65.6731, 68.5367, 104.3753



32.5844, 53.2946, 41.3048



13.2338, 13.7637, 22.2091



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.2849, 16.4405, 68.4870



22.9143, 16.5824, 96.6008



16.6060, 8.7302, 67.1399



12.7086, 13.3569, 16.5605



9.2251, 6.3197, 40.4720



0.6768, 0.5677, 2.6483

Inverse Universe

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



32.7193, 18.1861, 15.9731



43.7846, 22.6201, 14.2749



47.5301, 61.6568, 12.3033



13.2428, 13.1262, 14.5397



18.1518, 9.2617, 5.1792



1.2159, 0.6160, 0.5459

Previews

White Background



This preview shows how the XYZ color 19.2841, 16.4400, 68.4865 looks on a white background.

Color Contrast Check

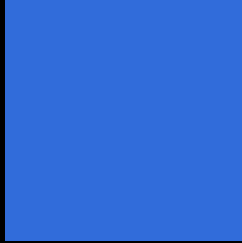
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2841, 16.4400, 68.4865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

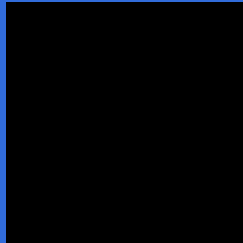
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2841, 16.4400, 68.4865

Background



This preview shows how black text looks on a background with the XYZ color 19.2841, 16.4400, 68.4865.



This preview shows how white text looks on a background with the XYZ color 19.2841, 16.4400,

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

19.2841, 16.4400, 68.4865

Protanopia

19.1442, 16.3679, 68.4800

Deuteranopia

16.5561, 16.4316, 56.9426



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

19.2841, 16.4400, 68.4865

Protanomaly

19.1897, 16.3914, 68.4821

Deuteranomaly

17.3061, 16.2219, 61.2505

Tritanomaly

13.5471, 16.0026, 37.4968

Monochromacy



Original Color

19.2841, 16.4400, 68.4865

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.7297, 13.9865, 28.7641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2841, 16.4400, 68.4865 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(49, 108, 218)` looks like.

```
.text, #text, p{  
    color:rgb(49, 108, 218)  
}
```

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(49, 108, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 108, 218) }
```

Border

The CSS property to change the border of an element to XYZ 19.2841, 16.4400, 68.4865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

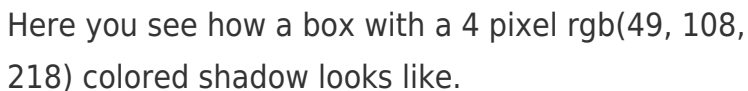
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(49, 108, 218) }
```


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

```
.border{ border-color:rgb(49, 108, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(49, 108, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 108, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 108, 218);  
box-shadow:4px 4px 4px 4px rgb(49, 108,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2841, 16.4400, 68.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 108, 218) }
```

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

```
.background{ background-color: rgb(49, 108,  
218) }
```

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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