

Converting Colors

XYZ(16.8275, 16.4228, 48.1410)

Have a look what the booklet for
XYZ(16.8275, 16.4228, 48.1410)
contains.

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Color

**XYZ(16.8421, 16.4369,
48.1839)**

Conversions

Conversions Part 1

Format	Color
Hex	4171B9
RGB	65, 113, 185
RGB Percent	25%, 44%, 73%
CMY	0.7451, 0.5569, 0.2745
CMYK	0.65, 0.39, 0.00, 0.27
HSL	216°, 48%, 49%
HSV	216°, 65%, 73%
XYZ	16.8421, 16.4369, 48.1839
YIQ	106.8560, -51.7200, 12.2160

Conversions

Conversions Part 2

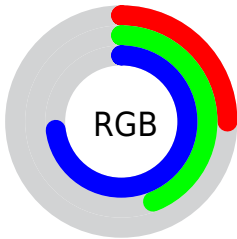
Format	Color
R _{YB}	65, 99, 185
Decimal	4288953
CIE Lab	47.54, 6.95, -42.85
CIE LCh	48, 43.412, 279.209
Yxy	16.4369, 0.2067, 0.2018
Android (android.graphics.Color)	4282479033 (0xFF4171B9)
YUV	106.8560, 38.5250, -36.7077
Hunter-Lab	40.5424, 3.2030, -42.0853

Details

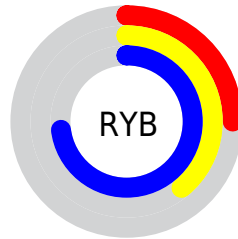
The XYZ color **16.8421, 16.4369, 48.1839** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.9086, 28.5892, 8.9440**, and the grayscale version is **13.8431, 14.5640, 15.8602**.

A 20% lighter version of the original color is **37.6147, 37.2468, 89.2112**, and **6.0449, 5.5351, 22.2225** is the 20% darker color. If you saturate the color by 10%, you get **14.6484, 13.5788, 47.7482**, and if you desaturate by 10%, it is **19.5897, 19.8058, 48.6897**.

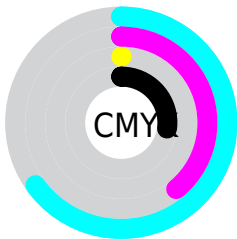
Distribution



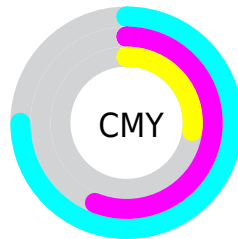
- Red (25%)
- Green (44%)
- Blue (73%)



- Red (25%)
- Yellow (39%)
- Blue (73%)



- Cyan (65%)
- Magenta (39%)
- Yellow (0%)
- Black (27%)



- Cyan (75%)
- Magenta (56%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8421, 16.4369, 48.1839 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 16.8421, 16.4369, 48.1839 by changing the saturation by 10% instead.

■ 16.8421, 16.4369,
48.1839

■ 16.8421, 16.4369,
48.1839

227.4348,
231.9061, 396.0503

■ 10.2166, 9.8338,
33.6115

■ 37.5999, 37.3550,
88.8465

■ 5.6062, 5.2889,
22.3204

■ 52.4628, 52.4389,
115.7739

■ 2.6455, 2.4178,
13.8919

■ 70.8023, 71.1185,
147.6566

■ 0.9692, 0.8350,
7.9076

■ 92.9836, 93.7782,
184.9133

■ 0.0000, 0.0000,
3.9490

■ 119.3722,
120.8024, 227.9625

■ 0.0000, 0.0000,
1.5974

150.3333,

■ 0.0000, 0.0000,

152.5756, 277.2227

0.2890

186.2324,
189.4820, 333.1125

■ 0.0000, 0.0000,
0.0000

■ 16.8421, 16.4369,
48.1839

■ 16.8421, 16.4369,
48.1839

■ 14.6484, 13.5788,
47.7482

■ 19.5897, 19.8058,
48.6897

■ 12.9601, 11.1979,
47.3776

■ 22.9296, 23.7125,
49.2677

■ 11.7228, 9.2576,
47.0683

■ 26.8990, 28.1836,
49.9215

■ 11.2055, 8.3998,
46.9300

■ 31.5311, 33.2431,
50.6540

■ 36.8567, 38.9138,
51.4678

■ 42.9048, 45.2169,
52.3657

■ 49.7022, 52.1725,
53.3500

■ 57.2748, 59.8000,
54.4231

■ 65.6468, 68.1176,
55.5873

Harmonies

Analogous

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



13.1315, 16.4369, 46.0653



16.8421, 16.4369, 48.1839



20.8052, 16.4369, 39.9617

Triad

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



16.8421, 16.4369, 48.1839



22.1148, 16.4369, 7.5353



9.6560, 16.4369, 11.3575

Complementary

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



16.8421, 16.4369, 48.1839



29.9086, 28.5892, 8.9440

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.



11.3815, 16.4369, 5.9554



16.8421, 16.4369, 48.1839



18.4108, 16.4369, 4.4654

Square

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



16.8421, 16.4369, 48.1839



24.1630, 16.4369, 14.7034



14.4638, 16.4369, 4.0393



9.3772, 16.4369, 21.5224

Rectangle

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



16.8421, 16.4369, 48.1839



22.9128, 16.4369, 31.1466



14.4638, 16.4369, 4.0393



10.0706, 16.4369, 9.0658

Sweetspot

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



16.8428, 16.4374, 48.1843



61.6089, 65.0373, 91.5109



24.0451, 37.6285, 29.6638



12.7043, 13.4047, 19.6394



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.8428, 16.4374, 48.1843



24.7940, 22.3354, 85.2090



13.7088, 8.8623, 46.8873



8.8080, 9.2932, 11.4090



7.6971, 5.8539, 31.9773



0.3324, 0.3285, 1.1476

Inverse Universe

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



24.8792, 15.2881, 17.2628



40.9589, 22.5406, 22.4473



35.5373, 43.9643, 11.6151



9.1494, 9.0701, 10.1343



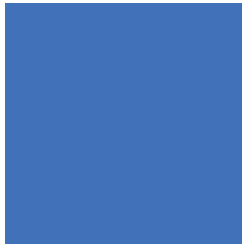
14.4988, 7.3733, 5.2476



0.5419, 0.2723, 0.3473

Previews

White Background



This preview shows how the XYZ color 16.8421, 16.4369, 48.1839 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 16.8421, 16.4369, 48.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

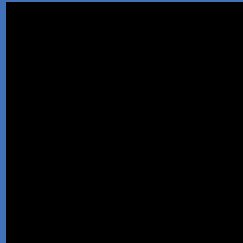
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8421, 16.4369, 48.1839

Background



This preview shows how black text looks on a background with the XYZ color 16.8421, 16.4369, 48.1839.



This preview shows how white text looks on a background with the XYZ color 16.8421, 16.4369,

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

16.8421, 16.4369, 48.1839

Protanopia

17.6756, 16.4141, 46.4926

Deuteranopia

16.9089, 16.4713, 48.1870



Tritanopia

12.2039, 16.4939, 25.0947

Trichromacy



Original Color

16.8421, 16.4369, 48.1839

Protanomaly

17.2923, 16.3656, 47.0472

Deuteranomaly

16.9089, 16.4713, 48.1870

Tritanomaly

13.5930, 16.3137, 32.5694

Monochromacy



Original Color

16.8421, 16.4369, 48.1839

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.2554, 14.9619, 25.0583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8421, 16.4369, 48.1839 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(65, 113, 185)` looks like.

```
.text, #text, p{  
    color:rgb(65, 113, 185)  
}
```

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(65, 113, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 113, 185) }
```

Border

The CSS property to change the border of an element to XYZ 16.8421, 16.4369, 48.1839 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(65, 113, 185) }
```


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

```
.border{ border-color:rgb(65, 113, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 113, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 113, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 113, 185);  
box-shadow:4px 4px 4px 4px rgb(65, 113,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8421, 16.4369, 48.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 113, 185) }
```

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

```
.background{ background-color: rgb(65, 113,  
185) }
```

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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