

Converting Colors

XYZ(16.8180, 15.8090, 48.6450)

Have a look what the booklet for
XYZ(16.8180, 15.8090, 48.6450)
contains.

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Color

**XYZ(16.7858, 15.7477,
48.6093)**

Conversions

Conversions Part 1

Format	Color
Hex	456DBA
RGB	69, 109, 186
RGB Percent	27%, 43%, 73%
CMY	0.7294, 0.5725, 0.2706
CMYK	0.63, 0.41, 0.00, 0.27
HSL	219°, 46%, 50%
HSV	219°, 63%, 73%
XYZ	16.7858, 15.7477, 48.6093
YIQ	105.8180, -48.5570, 15.4670

Conversions

Conversions Part 2

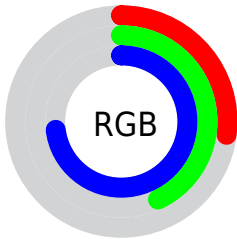
Format	Color
R_{YB}	69, 99, 186
Decimal	4550074
CIE _{Lab}	46.64, 10.52, -44.85
CIE _{LCh}	47, 46.070, 283.196
Yxy	15.7477, 0.2069, 0.1941
Android (android.graphics.Color)	4282740154 (0xFF456DBA)
YUV	105.8180, 39.5297, -32.2894
Hunter-Lab	39.6834, 6.0584, -44.8477

Details

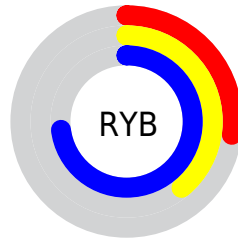
The XYZ color **16.7858, 15.7477, 48.6093** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **31.6038, 31.4282, 10.0317**, and the grayscale version is **13.5554, 14.2613, 15.5306**.

A 20% lighter version of the original color is **37.5009, 36.1247, 89.7903**, and **5.8875, 5.1112, 22.5060** is the 20% darker color. If you saturate the color by 10%, you get **14.4510, 12.7388, 48.1519**, and if you desaturate by 10%, it is **19.7172, 19.3346, 49.1475**.

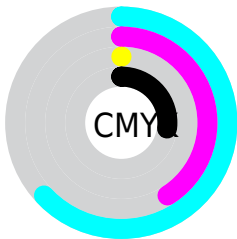
Distribution



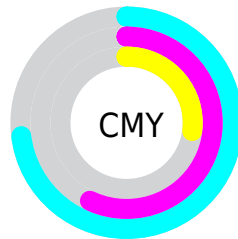
- Red (27%)
- Green (43%)
- Blue (73%)



- Red (27%)
- Yellow (39%)
- Blue (73%)



- Cyan (63%)
- Magenta (41%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (57%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7858, 15.7477, 48.6093 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 16.7858, 15.7477, 48.6093 by changing the saturation by 10% instead.

■ 16.7858, 15.7477,
48.6093

■ 16.7858, 15.7477,
48.6093

227.1154,
227.8483, 397.7803

■ 10.1762, 9.3458,
33.9462

■ 37.5037, 36.1596,
89.4859

■ 5.5791, 4.9674,
22.5753

■ 52.3427, 50.9385,
116.5365

■ 2.6291, 2.2282,
14.0779

■ 70.6556, 69.2784,
148.5533

■ 0.9608, 0.7353,
8.0355

■ 92.8077, 91.5638,
185.9550

■ 0.0000, 0.0000,
4.0296

■ 119.1643,
118.1791, 229.1600

■ 0.0000, 0.0000,
1.6416

150.0909,

■ 0.0000, 0.0000,

149.5087, 278.5868

0.3202

185.9528,
185.9370, 334.6541

■ 0.0000, 0.0000,
0.0000

■ 16.7858, 15.7477,
48.6093

■ 16.7858, 15.7477,
48.6093

■ 14.4510, 12.7388,
48.1519

■ 19.7172, 19.3346,
49.1475

■ 12.6634, 10.2706,
47.7697

■ 23.2854, 23.5300,
49.7692

■ 11.3673, 8.3030,
47.4582

■ 27.5288, 28.3639,
50.4786

■ 10.6731, 7.1655,
47.2753

■ 32.4824, 33.8637,
51.2791

■ 38.1784, 40.0550,
52.1739

■ 44.6471, 46.9620,
53.1662

■ 51.9170, 54.6077,
54.2588

■ 60.0152, 63.0140,
55.4545

■ 68.9672, 72.2019,
56.7561

Harmonies

Analogous

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



12.8603, 15.7477, 47.8968



16.7858, 15.7477, 48.6093



20.8484, 15.7477, 38.6325

Triad

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



16.7858, 15.7477, 48.6093



21.2766, 15.7477, 6.0857



8.7661, 15.7477, 11.5534

Complementary

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



16.7858, 15.7477, 48.6093



31.6038, 31.4282, 10.0317

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.



10.3120, 15.7477, 5.6091



16.7858, 15.7477, 48.6093



17.2936, 15.7477, 3.5512

Square

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



16.7858, 15.7477, 48.6093



23.7347, 15.7477, 12.6093



13.2859, 15.7477, 3.4276



8.6790, 15.7477, 22.6594

Rectangle

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



16.7858, 15.7477, 48.6093



22.9004, 15.7477, 29.0662



13.2859, 15.7477, 3.4276



9.1179, 15.7477, 9.0333

Sweetspot

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



16.7864, 15.7482, 48.6097



62.4203, 65.2571, 93.5074



25.1286, 38.4295, 32.9025



13.1167, 13.6828, 20.4923



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



16.7864, 15.7482, 48.6097



25.0048, 21.4893, 87.0314



14.8805, 9.8070, 47.5634



8.7654, 9.2080, 11.3948



7.2439, 4.9474, 31.8262



0.3143, 0.2922, 1.1416

Inverse Universe

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



25.1387, 15.8003, 16.1932



41.9041, 23.6344, 20.9854



34.8781, 43.9223, 12.2707



9.1279, 9.0615, 10.0211



14.2700, 7.2818, 4.0429



0.5328, 0.2686, 0.2991

Previews

White Background



This preview shows how the XYZ color 16.7858, 15.7477, 48.6093 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 16.7858, 15.7477, 48.6093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

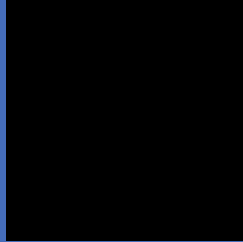
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7858, 15.7477, 48.6093

Background



This preview shows how black text looks on a background with the XYZ color 16.7858, 15.7477, 48.6093.



This preview shows how white text looks on a background with the XYZ color 16.7858, 15.7477,

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

16.7858, 15.7477, 48.6093

Protanopia

17.2614, 15.8476, 48.0481

Deuteranopia

16.2347, 15.7839, 48.6453



Tritanopia

11.8092, 15.7646, 23.8932

Trichromacy



Original Color

16.7858, 15.7477, 48.6093

Protanomaly

17.0212, 15.7238, 48.0368

Deuteranomaly

16.3633, 15.6891, 48.6202

Tritanomaly

13.3124, 15.6608, 31.5993

Monochromacy



Original Color

16.7858, 15.7477, 48.6093

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1451, 14.5918, 24.9926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7858, 15.7477, 48.6093 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(69, 109, 186)` looks like.

```
.text, #text, p{  
    color:rgb(69, 109, 186)  
}
```

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(69, 109, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 109, 186) }
```

Border

The CSS property to change the border of an element to XYZ 16.7858, 15.7477, 48.6093 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(69, 109, 186) }
```


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

```
.border{ border-color:rgb(69, 109, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 109, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 109, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 109, 186);  
box-shadow:4px 4px 4px 4px rgb(69, 109,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7858, 15.7477, 48.6093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 109, 186) }
```

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

```
.background{ background-color: rgb(69, 109,  
186) }
```

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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