

Converting Colors

XYZ(17.0004, 15.9663, 48.0852)

Have a look what the booklet for
XYZ(17.0004, 15.9663, 48.0852)
contains.

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Color

**XYZ(17.0805, 16.0711,
48.1007)**

Conversions

Conversions Part 1

Format	Color
Hex	496EB9
RGB	73, 110, 185
RGB Percent	29%, 43%, 73%
CMY	0.7137, 0.5686, 0.2745
CMYK	0.61, 0.41, 0.00, 0.27
HSL	220°, 44%, 51%
HSV	220°, 61%, 73%
XYZ	17.0805, 16.0711, 48.1007
YIQ	107.4870, -46.1270, 15.4810

Conversions

Conversions Part 2

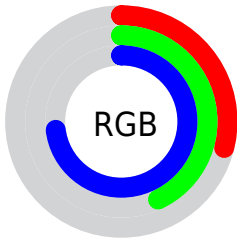
Format	Color
R_{YB}	73, 101, 185
Decimal	4812473
CIE _{Lab}	47.07, 10.31, -43.58
CIE _{LCh}	47, 44.788, 283.314
Yxy	16.0711, 0.2102, 0.1978
Android (android.graphics.Color)	4283002553 (0xFF496EB9)
YUV	107.4870, 38.2139, -30.2451
Hunter-Lab	40.0888, 5.8976, -43.0772

Details

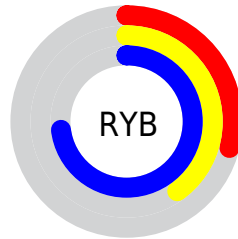
The XYZ color **17.0805, 16.0711, 48.1007** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **31.8011, 31.9767, 10.8003**, and the grayscale version is **14.0172, 14.7472, 16.0597**.

A 20% lighter version of the original color is **37.9778, 36.6464, 89.0762**, and **5.8742, 5.1937, 22.1656** is the 20% darker color. If you saturate the color by 10%, you get **14.6371, 12.9642, 47.6301**, and if you desaturate by 10%, it is **20.1289, 19.7678, 48.6539**.

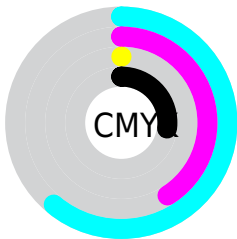
Distribution



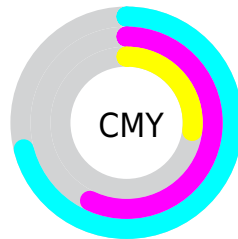
- Red (29%)
- Green (43%)
- Blue (73%)



- Red (29%)
- Yellow (40%)
- Blue (73%)



- Cyan (61%)
- Magenta (41%)
- Yellow (0%)
- Black (27%)



- Cyan (71%)
- Magenta (57%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0805, 16.0711, 48.1007 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 17.0805, 16.0711, 48.1007 by changing the saturation by 10% instead.

■ 17.0805, 16.0711,
48.1007

■ 17.0805, 16.0711,
48.1007

228.7831,
229.7609, 395.7114

■ 10.3876, 9.5745,
33.5461

■ 38.0066, 36.7216,
88.7214

■ 5.7209, 5.1177,
22.2706

■ 52.9705, 51.6443,
115.6246

■ 2.7152, 2.3165,
13.8556

■ 71.4221, 70.1444,
147.4811

■ 1.0050, 0.7824,
7.8827

■ 93.7268, 92.6064,
184.7093

■ 0.0000, 0.0000,
3.9333

■ 120.2498,
119.4146, 227.7280

■ 0.0000, 0.0000,
1.5888

151.3567,

■ 0.0000, 0.0000,

150.9535, 276.9555

0.2828

187.4126,
187.6075, 332.8104

■ 0.0000, 0.0000,
0.0000

■ 17.0805, 16.0711,
48.1007

■ 17.0805, 16.0711,
48.1007

■ 14.6371, 12.9642,
47.6301

■ 20.1289, 19.7678,
48.6539

■ 12.7509, 10.4102,
47.2366

■ 23.8213, 24.0845,
49.2925

■ 11.3690, 8.3701,
46.9156

■ 28.1952, 29.0510,
50.0206

■ 10.4318, 6.8523,
46.6721

■ 33.2847, 34.6945,
50.8417

■ 39.1216, 41.0408,
51.7590

■ 45.7355, 48.1139,
52.7756

■ 53.1546, 55.9369,
53.8946

■ 61.4055, 64.5317,
55.1187

■ 70.5135, 73.9194,
56.4507

Harmonies

Analogous

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



13.2082, 16.0711, 47.4572



17.0805, 16.0711, 48.1007



21.0617, 16.0711, 38.4175

Triad

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



17.0805, 16.0711, 48.1007



21.4534, 16.0711, 6.4622



9.1244, 16.0711, 11.9955

Complementary

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



17.0805, 16.0711, 48.1007



31.8011, 31.9767, 10.8003

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.



10.6592, 16.0711, 6.0099



17.0805, 16.0711, 48.1007



17.5471, 16.0711, 3.8838

Square

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



17.0805, 16.0711, 48.1007



23.8630, 16.0711, 12.9768



13.6016, 16.0711, 3.7643



9.0430, 16.0711, 22.9651

Rectangle

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



17.0805, 16.0711, 48.1007



23.0626, 16.0711, 29.1166



13.6016, 16.0711, 3.7643



9.4737, 16.0711, 9.4734

Sweetspot

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



17.0811, 16.0716, 48.1011



61.8392, 64.5762, 91.4098



25.4162, 38.2425, 33.9217



12.7147, 13.2456, 19.6081



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.



17.0811, 16.0716, 48.1011



24.8688, 21.4352, 85.0313



15.5208, 10.5270, 47.1131



8.7570, 9.1912, 11.3920



7.1634, 4.7864, 31.7994



0.3108, 0.2852, 1.1404

Inverse Universe

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



25.2052, 16.2060, 16.5518



41.2529, 23.6393, 20.9708



34.3480, 43.3225, 12.8560



9.1237, 9.0598, 9.9987



14.2294, 7.2655, 3.8289



0.5310, 0.2679, 0.2898

Previews

White Background



This preview shows how the XYZ color 17.0805, 16.0711, 48.1007 looks on a white background.

Color Contrast Check

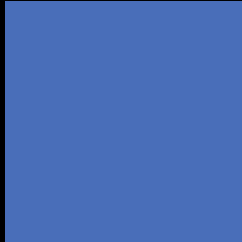
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0805, 16.0711, 48.1007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

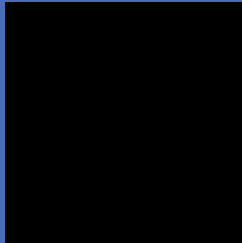
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0805, 16.0711, 48.1007

Background



This preview shows how black text looks on a background with the XYZ color 17.0805, 16.0711, 48.1007.



This preview shows how white text looks on a background with the XYZ color 17.0805, 16.0711,

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

17.0805, 16.0711, 48.1007

Protanopia

17.5137, 16.1473, 47.5411

Deuteranopia

16.6010, 16.1479, 48.1408



Tritanopia

12.1530, 15.9418, 23.9093

Trichromacy



Original Color

17.0805, 16.0711, 48.1007

Protanomaly

17.2623, 16.0177, 47.5293

Deuteranomaly

16.7561, 16.0650, 48.1166

Tritanomaly

13.6345, 15.8268, 31.6144

Monochromacy



Original Color

17.0805, 16.0711, 48.1007

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.4551, 14.9073, 25.0372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0805, 16.0711, 48.1007 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(73, 110, 185)` looks like.

```
.text, #text, p{  
    color:rgb(73, 110, 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(73, 110, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 110, 185) }
```

Border

The CSS property to change the border of an element to XYZ 17.0805, 16.0711, 48.1007 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(73, 110, 185) }
```


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

```
.border{ border-color:rgb(73, 110, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 110, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 110, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 110, 185);  
box-shadow:4px 4px 4px 4px rgb(73, 110,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0805, 16.0711, 48.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 110, 185) }
```

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

```
.background{ background-color: rgb(73, 110,  
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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