

Converting Colors

XYZ(18.1510, 17.0622, 50.4808)

Have a look what the booklet for
XYZ(18.1510, 17.0622, 50.4808)
contains.

XYZ(18.1510, 17.0622, 50.4808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.1510, 17.0622,
50.4808)**

Conversions

Conversions Part 1

Format	Color
Hex	4D71BD
RGB	77, 113, 189
RGB Percent	30%, 44%, 74%
CMY	0.6980, 0.5569, 0.2588
CMYK	0.59, 0.40, 0.00, 0.26
HSL	221°, 46%, 52%
HSV	221°, 59%, 74%
XYZ	18.1510, 17.0622, 50.4808
YIQ	110.9000, -45.8520, 16.0040

Conversions

Conversions Part 2

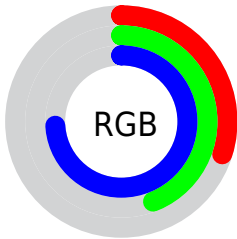
Format	Color
R_{YB}	77, 104, 189
Decimal	5075389
CIE _{Lab}	48.34, 10.61, -43.87
CIE _{LCh}	48, 45.131, 283.600
Yxy	17.0622, 0.2118, 0.1991
Android (android.graphics.Color)	4283265469 (0xFF4D71BD)
YUV	110.9000, 38.5033, -29.7303
Hunter-Lab	41.3064, 6.1508, -43.5441

Details

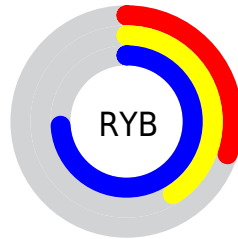
The XYZ color **18.1510, 17.0622, 50.4808** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **33.7181, 34.1387, 11.8344**, and the grayscale version is **14.9827, 15.7629, 17.1658**.

A 20% lighter version of the original color is **39.7415, 38.2731, 92.4816**, and **6.3214, 5.6457, 23.6782** is the 20% darker color. If you saturate the color by 10%, you get **15.5105, 13.7250, 49.9762**, and if you desaturate by 10%, it is **21.4381, 21.0333, 51.0744**.

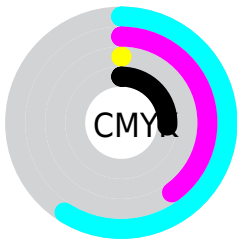
Distribution



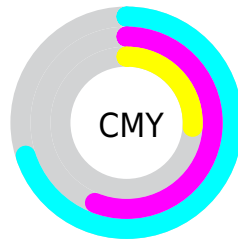
- Red (30%)
- Green (44%)
- Blue (74%)



- Red (30%)
- Yellow (41%)
- Blue (74%)



- Cyan (59%)
- Magenta (40%)
- Yellow (0%)
- Black (26%)



- Cyan (70%)
- Magenta (56%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1510, 17.0622, 50.4808 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 18.1510, 17.0622, 50.4808 by changing the saturation by 10% instead.

■ 18.1510, 17.0622,
50.4808

■ 18.1510, 17.0622,
50.4808

234.7499,
235.5306, 405.3320

■ 11.1588, 10.2788,
35.4217

■ 39.8225, 38.4327,
92.2905

■ 6.2418, 5.5842,
23.7018

■ 55.2326, 53.7886,
119.8781

■ 3.0347, 2.5940,
14.9024

■ 74.1792, 72.7709,
152.4791

■ 1.1722, 0.9236,
8.6050

■ 97.0279, 95.7638,
190.5119

■ 0.0842, 0.0000,
4.3912

■ 124.1440,
123.1518, 234.3950

■ 0.0000, 0.0000,
1.8423

155.8928,

■ 0.0000, 0.0000,

155.3194, 284.5471

0.4557

192.6396,
192.6508, 341.3865

■ 0.0000, 0.0000,
0.0000

■ 18.1510, 17.0622,
50.4808

■ 18.1510, 17.0622,
50.4808

■ 15.5105, 13.7250,
49.9762

■ 21.4381, 21.0333,
51.0744

■ 13.4665, 10.9828,
49.5546

■ 25.4124, 25.6706,
51.7600

■ 11.9641, 8.7941,
49.2113

■ 30.1137, 31.0057,
52.5420

■ 10.9093, 7.0959,
48.9392

■ 35.5777, 37.0677,
53.4241

■ 10.8406, 6.9846,
48.9213

■ 41.8379, 43.8841,
54.4099

■ 48.9256, 51.4806,
55.5026

■ 56.8704, 59.8819,
56.7055

■ 65.7004, 69.1113,
58.0215

■ 75.4424, 79.1914,
59.4537

Harmonies

Analogous

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



14.0828, 17.0622, 49.9245



18.1510, 17.0622, 50.4808



22.3128, 17.0622, 40.3113

Triad

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



18.1510, 17.0622, 50.4808



22.6529, 17.0622, 6.9177



9.7459, 17.0622, 12.8831

Complementary

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



18.1510, 17.0622, 50.4808



33.7181, 34.1387, 11.8344

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.



11.3469, 17.0622, 6.5201



18.1510, 17.0622, 50.4808



18.5568, 17.0622, 4.2108

Square

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



18.1510, 17.0622, 50.4808



25.1939, 17.0622, 13.7398



14.4257, 17.0622, 4.1051



9.6747, 17.0622, 24.4361

Rectangle

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



18.1510, 17.0622, 50.4808



24.3928, 17.0622, 30.5936



14.4257, 17.0622, 4.1051



10.1089, 17.0622, 10.2097

Sweetspot

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



18.1517, 17.0628, 50.4812



64.7420, 67.5105, 95.8448



26.8991, 40.2296, 35.9111



13.2693, 13.7995, 20.5068



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.



18.1517, 17.0628, 50.4812



26.6196, 23.0611, 89.2744



16.6290, 11.4516, 49.4784



9.2601, 9.7126, 12.0589



7.3559, 4.8236, 32.9362



0.3488, 0.3103, 1.3104

Inverse Universe

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



26.6214, 17.3197, 17.5632



43.6605, 25.4105, 22.6329



36.1875, 45.5148, 13.9001



9.6532, 9.5856, 10.5625



14.7137, 7.5166, 3.7860



0.6070, 0.3067, 0.3096

Previews

White Background



This preview shows how the XYZ color 18.1510, 17.0622, 50.4808 looks on a white background.

Color Contrast Check

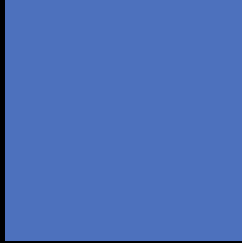
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1510, 17.0622, 50.4808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

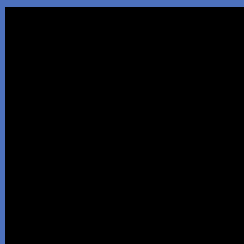
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

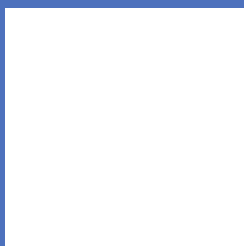
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1510, 17.0622, 50.4808

Background



This preview shows how black text looks on a background with the XYZ color 18.1510, 17.0622, 50.4808.



This preview shows how white text looks on a background with the XYZ color 18.1510, 17.0622,

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

18.1510, 17.0622, 50.4808

Protanopia

18.5274, 17.1040, 49.9019

Deuteranopia

17.6308, 17.1289, 50.5211



Tritanopia

13.1750, 17.1734, 25.5421

Trichromacy



Original Color

18.1510, 17.0622, 50.4808

Protanomaly

18.2646, 16.9685, 49.8896

Deuteranomaly

17.8012, 17.0483, 50.4966

Tritanomaly

14.7404, 17.0654, 33.5274

Monochromacy



Original Color

18.1510, 17.0622, 50.4808

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.6000, 16.1051, 26.7125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1510, 17.0622, 50.4808 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(77, 113, 189)` looks like.

```
.text, #text, p{  
    color:rgb(77, 113, 189)  
}
```

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(77, 113, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 113, 189) }
```

Border

The CSS property to change the border of an element to XYZ 18.1510, 17.0622, 50.4808 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(77, 113, 189) }
```


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

```
.border{ border-color:rgb(77, 113, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 113, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 113, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 113, 189);  
box-shadow:4px 4px 4px 4px rgb(77, 113,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1510, 17.0622, 50.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 113, 189) }
```

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

```
.background{ background-color: rgb(77, 113,  
189) }
```

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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