

Converting Colors

XYZ(18.4372, 17.6510, 53.4742)

Have a look what the booklet for
XYZ(18.4372, 17.6510, 53.4742)
contains.

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Color

**XYZ(18.4372, 17.6510,
53.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	4574C2
RGB	69, 116, 194
RGB Percent	27%, 45%, 76%
CMY	0.7294, 0.5451, 0.2392
CMYK	0.64, 0.40, 0.00, 0.24
HSL	217°, 51%, 52%
HSV	217°, 64%, 76%
XYZ	18.4372, 17.6510, 53.4742
YIQ	110.8390, -53.0500, 14.2940

Conversions

Conversions Part 2

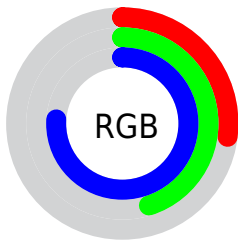
Format	Color
R _Y B	69, 103, 194
Decimal	4551874
CIE Lab	49.07, 8.96, -45.60
CIE LCh	49, 46.477, 281.120
Yxy	17.6510, 0.2059, 0.1971
Android (android.graphics.Color)	4282741954 (0xFF4574C2)
YUV	110.8390, 40.9984, -36.6928
Hunter-Lab	42.0131, 4.8108, -46.0551

Details

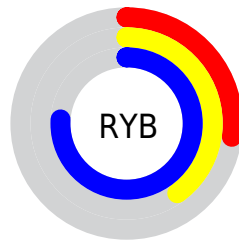
The XYZ color **18.4372, 17.6510, 53.4742** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **33.7573, 32.7685, 10.1770**, and the grayscale version is **14.9596, 15.7387, 17.1394**.

A 20% lighter version of the original color is **40.3173, 39.5595, 96.7776**, and **6.8617, 6.1497, 25.6363** is the 20% darker color. If you saturate the color by 10%, you get **15.9735, 14.4427, 52.9852**, and if you desaturate by 10%, it is **21.5340, 21.4560, 54.0458**.

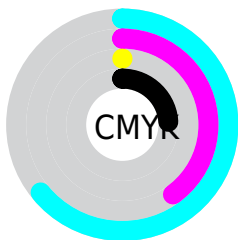
Distribution



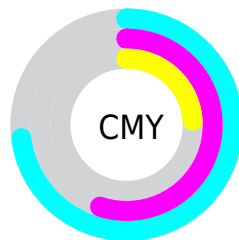
- Red (27%)
- Green (45%)
- Blue (76%)



- Red (27%)
- Yellow (40%)
- Blue (76%)



- Cyan (64%)
- Magenta (40%)
- Yellow (0%)
- Black (24%)



- Cyan (73%)
- Magenta (55%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4372, 17.6510, 53.4742 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 18.4372, 17.6510, 53.4742 by changing the saturation by 10% instead.

■ 18.4372, 17.6510,
53.4742

■ 18.4372, 17.6510,
53.4742

236.3221,
238.8965, 417.2196

■ 11.3659, 10.6997,
37.7911

■ 40.3052, 39.4417,
96.7504

■ 6.3826, 5.8653,
25.5201

■ 55.8326, 55.0500,
125.1806

■ 3.1220, 2.7633,
16.2424

■ 74.9094, 74.3127,
158.6969

■ 1.2186, 1.0095,
9.5396

■ 97.9010, 97.6142,
197.7180

■ 0.1210, 0.0000,
4.9932

■ 125.1727,
125.3389, 242.6622

■ 0.0000, 0.0000,
2.1846

157.0899,

■ 0.0000, 0.0000,

157.8713, 293.9482

0.6655

194.0179,
195.5957, 351.9945

■ 0.0000, 0.0000,
0.0000

■ 18.4372, 17.6510,
53.4742

■ 18.4372, 17.6510,
53.4742

■ 15.9735, 14.4427,
52.9852

■ 21.5340, 21.4560,
54.0458

■ 14.0880, 11.7920,
52.5729

■ 25.3078, 25.8897,
54.7027

■ 12.7186, 9.6559,
52.2328

■ 29.8011, 30.9833,
55.4490

■ 12.1162, 8.6522,
52.0708

■ 35.0517, 36.7654,
56.2883

■ 41.0948, 43.2624,
57.2239

■ 47.9634, 50.4997,
58.2588

■ 55.6883, 58.5008,
59.3960

■ 64.2989, 67.2886,
60.6384

■ 73.8231, 76.8848,
61.9887

Harmonies

Analogous

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



14.2201, 17.6510, 51.8361



18.4372, 17.6510, 53.4742



22.8810, 17.6510, 43.4127

Triad

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



18.4372, 17.6510, 53.4742



23.8767, 17.6510, 7.4018



10.0579, 17.6510, 12.4796

Complementary

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



18.4372, 17.6510, 53.4742



33.7573, 32.7685, 10.1770

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.



11.8679, 17.6510, 6.2565



18.4372, 17.6510, 53.4742



19.6228, 17.6510, 4.3199

Square

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



18.4372, 17.6510, 53.4742



26.3631, 17.6510, 14.9706



15.2191, 17.6510, 4.0179



9.8517, 17.6510, 24.2034

Rectangle

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



18.4372, 17.6510, 53.4742



25.1906, 17.6510, 33.2174



15.2191, 17.6510, 4.0179



10.4822, 17.6510, 9.8370

Sweetspot

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



18.4379, 17.6516, 53.4747



68.9361, 72.4811, 102.8267



26.9417, 41.9273, 33.9021



14.4094, 15.1319, 22.4112



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.



18.4379, 17.6516, 53.4747



27.5269, 24.2307, 95.6960



15.4857, 10.0180, 52.1568



9.8317, 10.3547, 12.7653



8.0391, 5.8347, 34.2591



0.4138, 0.3850, 1.5024

Inverse Universe

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



27.5293, 16.9874, 18.3513



45.9311, 25.4548, 24.0178



39.0535, 48.6472, 12.9628



10.2263, 10.1391, 11.2824



15.4537, 7.8712, 5.0355



0.7012, 0.3535, 0.3942

Previews

White Background



This preview shows how the XYZ color 18.4372, 17.6510, 53.4742 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 18.4372, 17.6510, 53.4742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

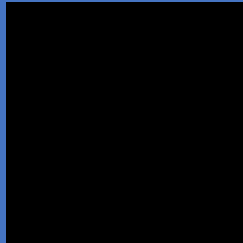
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4372, 17.6510, 53.4742

Background



This preview shows how black text looks on a background with the XYZ color 18.4372, 17.6510, 53.4742.



This preview shows how white text looks on a background with the XYZ color 18.4372, 17.6510,

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

18.4372, 17.6510, 53.4742

Protanopia

19.0757, 17.5008, 52.2418

Deuteranopia

18.2132, 17.7076, 53.4969



Tritanopia

13.0696, 17.6666, 26.7659

Trichromacy



Original Color

18.4372, 17.6510, 53.4742

Protanomaly

18.8674, 17.5471, 52.8446

Deuteranomaly

18.3457, 17.7759, 53.5031

Tritanomaly

14.6458, 17.5369, 34.9608

Monochromacy



Original Color

18.4372, 17.6510, 53.4742

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.5367, 16.2201, 27.5112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4372, 17.6510, 53.4742 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, 116, 194)` looks like.

```
.text, #text, p{  
    color:rgb(69, 116, 194)  
}
```

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, 116, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 116, 194) }
```

Border

The CSS property to change the border of an element to XYZ 18.4372, 17.6510, 53.4742 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, 116, 194) }
```


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

```
.border{ border-color:rgb(69, 116, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 116, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 116, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 116, 194);  
box-shadow:4px 4px 4px 4px rgb(69, 116,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4372, 17.6510, 53.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 116, 194) }
```

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

```
.background{ background-color: rgb(69, 116,  
194) }
```

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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