

Converting Colors

XYZ(18.5372, 17.4169, 51.1003)

Have a look what the booklet for
XYZ(18.5372, 17.4169, 51.1003)
contains.

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Color

**XYZ(18.5360, 17.4146,
51.0996)**

Conversions

Conversions Part 1

Format	Color
Hex	4F72BE
RGB	79, 114, 190
RGB Percent	31%, 45%, 75%
CMY	0.6902, 0.5529, 0.2549
CMYK	0.58, 0.40, 0.00, 0.25
HSL	221°, 46%, 53%
HSV	221°, 58%, 75%
XYZ	18.5360, 17.4146, 51.0996
YIQ	112.1990, -45.2560, 16.2160

Conversions

Conversions Part 2

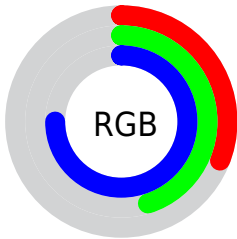
Format	Color
R_{YB}	79, 106, 190
Decimal	5206718
CIE _{Lab}	48.78, 10.74, -43.74
CIE _{LCh}	49, 45.035, 283.794
Yxy	17.4146, 0.2129, 0.2001
Android (android.graphics.Color)	4283396798 (0xFF4F72BE)
YUV	112.1990, 38.3559, -29.1155
Hunter-Lab	41.7308, 6.2573, -43.3894

Details

The XYZ color **18.5360, 17.4146, 51.0996** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.3689, 34.9559, 12.3339**, and the grayscale version is **15.3606, 16.1605, 17.5988**.

A 20% lighter version of the original color is **40.5781, 39.2221, 93.4276**, and **6.4511, 5.7919, 24.0705** is the 20% darker color. If you saturate the color by 10%, you get **15.8110, 13.9844, 50.5815**, and if you desaturate by 10%, it is **21.9227, 21.4963, 51.7093**.

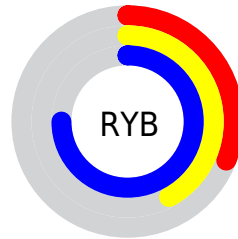
Distribution



Red (31%)

Green (45%)

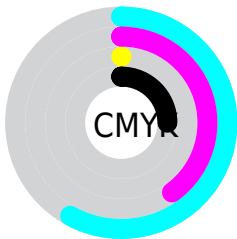
Blue (75%)



Red (31%)

Yellow (42%)

Blue (75%)

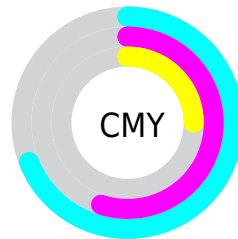


Cyan (58%)

Magenta (40%)

Yellow (0%)

Black (25%)



Cyan (69%)

Magenta (55%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5360, 17.4146, 51.0996 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 18.5360, 17.4146, 51.0996 by changing the saturation by 10% instead.

■ 18.5360, 17.4146,
51.0996

■ 18.5360, 17.4146,
51.0996

236.8627,
237.5504, 407.8082

■ 11.4375, 10.5305,
35.9106

■ 40.4715, 39.0373,
93.2150

■ 6.4314, 5.7521,
24.0760

■ 56.0393, 54.5446,
120.9785

■ 3.1522, 2.6949,
15.1773

■ 75.1608, 73.6952,
153.7705

■ 1.2348, 0.9746,
8.7959

■ 98.2015, 96.8734,
192.0097

■ 0.1336, 0.0000,
4.5133

125.5266,
124.4637, 236.1145

■ 0.0000, 0.0000,
1.9110

157.5017,

■ 0.0000, 0.0000,

156.8503, 286.5035

0.4997

194.4919,
194.4178, 343.5952

■ 0.0000, 0.0000,
0.0000

■ 18.5360, 17.4146,
51.0996

■ 18.5360, 17.4146,
51.0996

■ 15.8110, 13.9844,
50.5815

■ 21.9227, 21.4963,
51.7093

■ 13.6973, 11.1658,
50.1489

■ 26.0122, 26.2621,
52.4137

■ 12.1396, 8.9169,
49.7969

■ 30.8447, 31.7446,
53.2172

■ 11.0526, 7.1784,
49.5186

■ 36.4563, 37.9735,
54.1237

■ 10.9053, 6.9396,
49.4803

■ 42.8810, 44.9767,
55.1369

■ 50.1505, 52.7807,
56.2600

■ 58.2948, 61.4106,
57.4965

■ 67.3425, 70.8903,
58.8494

■ 77.3208, 81.2430,
60.3218

Harmonies

Analogous

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



14.4158, 17.4146, 50.6170



18.5360, 17.4146, 51.0996



22.7366, 17.4146, 40.8056

Triad

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



18.5360, 17.4146, 51.0996



23.0326, 17.4146, 7.1051



9.9909, 17.4146, 13.2531

Complementary

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



18.5360, 17.4146, 51.0996



34.3689, 34.9559, 12.3339

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.



11.6049, 17.4146, 6.7560



18.5360, 17.4146, 51.0996



18.8895, 17.4146, 4.3633

Square

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



18.5360, 17.4146, 51.0996



25.6122, 17.4146, 14.0016



14.7150, 17.4146, 4.2701



9.9287, 17.4146, 24.9730

Rectangle

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



18.5360, 17.4146, 51.0996



24.8280, 17.4146, 31.0017



14.7150, 17.4146, 4.2701



10.3559, 17.4146, 10.5288

Sweetspot

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



18.5367, 17.4152, 51.1000



66.2021, 68.9653, 98.1015



27.5424, 40.8513, 37.3787



13.8448, 14.3807, 21.4313



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.5367, 17.4152, 51.1000



27.5059, 23.8481, 91.4325



17.2751, 11.9831, 50.1180



9.2554, 9.7031, 12.0573



7.3143, 4.7403, 32.9224



0.3468, 0.3063, 1.3097

Inverse Universe

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



27.0691, 17.7549, 17.9204



44.8928, 26.3424, 23.4166



36.3274, 45.8990, 14.3429



9.6508, 9.5846, 10.5500



14.6927, 7.5082, 3.6753



0.6060, 0.3063, 0.3042

Previews

White Background



This preview shows how the XYZ color 18.5360, 17.4146, 51.0996 looks on a white background.

Color Contrast Check

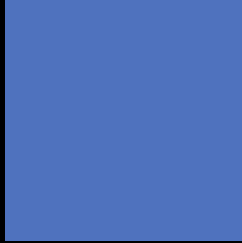
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5360, 17.4146, 51.0996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

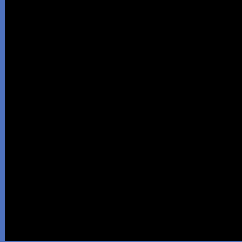
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5360, 17.4146, 51.0996

Background



This preview shows how black text looks on a background with the XYZ color 18.5360, 17.4146, 51.0996.

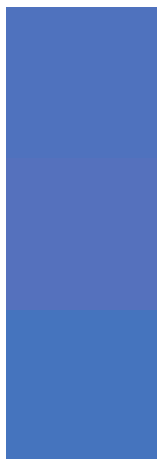


This preview shows how white text looks on a background with the XYZ color 18.5360, 17.4146,

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

18.5360, 17.4146, 51.0996

Protanopia

18.8367, 17.4157, 50.5129

Deuteranopia

17.9939, 17.4737, 51.1396



Tritanopia

13.5357, 17.5400, 25.9647

Trichromacy



Original Color

18.5360, 17.4146, 51.0996

Protanomaly

18.6577, 17.3234, 50.5045

Deuteranomaly

18.1727, 17.3956, 51.1151

Tritanomaly

15.0746, 17.4094, 34.0183

Monochromacy



Original Color

18.5360, 17.4146, 51.0996

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8943, 16.4130, 27.1413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5360, 17.4146, 51.0996 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(79, 114, 190)` looks like.

```
.text, #text, p{  
    color:rgb(79, 114, 190)  
}
```

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(79, 114, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 114, 190) }
```

Border

The CSS property to change the border of an element to XYZ 18.5360, 17.4146, 51.0996 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(79, 114, 190) }
```


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

```
.border{ border-color:rgb(79, 114, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 114, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 114, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 114, 190);  
box-shadow:4px 4px 4px 4px rgb(79, 114,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5360, 17.4146, 51.0996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 114, 190) }
```

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

```
.background{ background-color: rgb(79, 114,  
190) }
```

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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