

Converting Colors

XYZ(17.9939, 17.4737, 51.1396)

Have a look what the booklet for
XYZ(17.9939, 17.4737, 51.1396)
contains.

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Color

**XYZ(17.9939, 17.4737,
51.1396)**

Conversions

Conversions Part 1

Format	Color
Hex	4574BE
RGB	69, 116, 190
RGB Percent	27%, 45%, 75%
CMY	0.7294, 0.5451, 0.2549
CMYK	0.64, 0.39, 0.00, 0.25
HSL	217°, 48%, 51%
HSV	217°, 64%, 75%
XYZ	17.9939, 17.4737, 51.1396
YIQ	110.3830, -51.7660, 13.0500

Conversions

Conversions Part 2

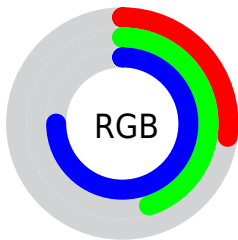
Format	Color
R _Y B	69, 103, 190
Decimal	4551870
CIE Lab	48.85, 7.57, -43.65
CIE LCh	49, 44.302, 279.835
Yxy	17.4737, 0.2078, 0.2018
Android (android.graphics.Color)	4282741950 (0xFF4574BE)
YUV	110.3830, 39.2512, -36.2929
Hunter-Lab	41.8016, 3.6844, -43.2737

Details

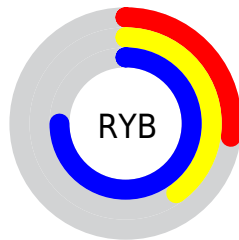
The XYZ color **17.9939, 17.4737, 51.1396** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **32.1331, 31.0237, 9.9259**, and the grayscale version is **14.8331, 15.6056, 16.9945**.

A 20% lighter version of the original color is **39.6932, 39.3099, 93.4912**, and **6.5721, 6.0338, 24.1108** is the 20% darker color. If you saturate the color by 10%, you get **15.5988, 14.3735, 50.6678**, and if you desaturate by 10%, it is **20.9894, 21.1326, 51.6883**.

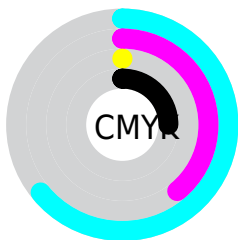
Distribution



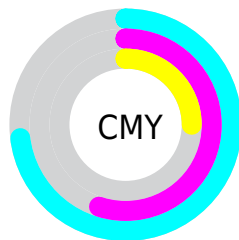
- Red (27%)
- Green (45%)
- Blue (75%)



- Red (27%)
- Yellow (40%)
- Blue (75%)



- Cyan (64%)
- Magenta (39%)
- Yellow (0%)
- Black (25%)



- Cyan (73%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9939, 17.4737, 51.1396 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 17.9939, 17.4737, 51.1396 by changing the saturation by 10% instead.

■ 17.9939, 17.4737,
51.1396

■ 17.9939, 17.4737,
51.1396

233.8829,
237.8876, 407.9679

■ 11.0453, 10.5728,
35.9422

■ 39.5571, 39.1385,
93.2747

■ 6.1648, 5.7804,
24.1002

■ 54.9024, 54.6711,
121.0495

■ 2.9872, 2.7120,
15.1951

■ 73.7772, 73.8498,
153.8539

■ 1.1470, 0.9833,
8.8083

■ 96.5471, 97.0589,
192.1063

■ 0.0639, 0.0000,
4.5212

■ 123.5772,
124.6828, 236.2254

■ 0.0000, 0.0000,
1.9154

155.2330,

■ 0.0000, 0.0000,

157.1060, 286.6297

0.5025

191.8797,
194.7128, 343.7377

■ 0.0000, 0.0000,
0.0000

■ 17.9939, 17.4737,
51.1396

■ 17.9939, 17.4737,
51.1396

■ 15.5988, 14.3735,
50.6678

■ 20.9894, 21.1326,
51.6883

■ 13.7530, 11.7959,
50.2676

■ 24.6263, 25.3794,
52.3164

■ 12.3989, 9.7017,
49.9347

■ 28.9440, 30.2428,
53.0275

■ 11.7296, 8.5883,
49.7551

■ 33.9781, 35.7492,
53.8250

■ 39.7616, 41.9229,
54.7119

■ 46.3251, 48.7872,
55.6909

■ 53.6978, 56.3641,
56.7648

■ 61.9070, 64.6743,
57.9361

■ 70.9788, 73.7380,
59.2075

Harmonies

Analogous

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



14.0321, 17.4737, 49.1293



17.9939, 17.4737, 51.1396



22.1975, 17.4737, 42.2112

Triad

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



17.9939, 17.4737, 51.1396



23.4398, 17.4737, 7.9049



10.2438, 17.4737, 12.2463

Complementary

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



17.9939, 17.4737, 51.1396



32.1331, 31.0237, 9.9259

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.



12.0460, 17.4737, 6.4077



17.9939, 17.4737, 51.1396



19.4818, 17.4737, 4.7138

Square

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



17.9939, 17.4737, 51.1396



25.6669, 17.4737, 15.4185



15.2956, 17.4737, 4.3102



9.9795, 17.4737, 23.1562

Rectangle

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



17.9939, 17.4737, 51.1396



24.4136, 17.4737, 32.8024



15.2956, 17.4737, 4.3102



10.6738, 17.4737, 9.7744

Sweetspot

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



17.9946, 17.4743, 51.1400



65.9857, 69.5234, 98.2207



25.7210, 40.0337, 31.8069



13.8414, 14.5712, 21.4683



92.9021, 97.7402, 106.4391



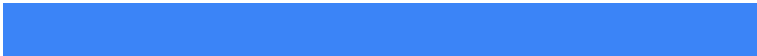
19.4759, 20.4902, 22.3138

Same Dimension

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



17.9946, 17.4743, 51.1400



26.9706, 24.2834, 91.5448



14.8253, 9.7288, 49.8121



9.3122, 9.8168, 12.0762



7.8707, 5.8532, 33.1078



0.3722, 0.3570, 1.3181

Inverse Universe

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



26.5164, 16.4653, 18.3040



44.2549, 24.6797, 24.3971



37.8254, 46.7103, 12.6537



9.6794, 9.5961, 10.7010



14.9735, 7.6206, 5.1543



0.6188, 0.3114, 0.3716

Previews

White Background



This preview shows how the XYZ color 17.9939, 17.4737, 51.1396 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 17.9939, 17.4737, 51.1396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

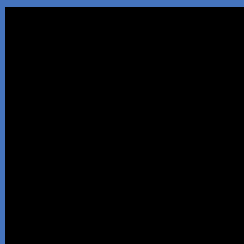
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

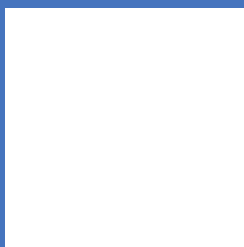
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9939, 17.4737, 51.1396

Background



This preview shows how black text looks on a background with the XYZ color 17.9939, 17.4737, 51.1396.



This preview shows how white text looks on a background with the XYZ color 17.9939, 17.4737,

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

17.9939, 17.4737, 51.1396

Protanopia

18.7125, 17.3765, 49.3815

Deuteranopia

17.9236, 17.4374, 51.1363



Tritanopia

12.9798, 17.4360, 26.3483

Trichromacy



Original Color

17.9939, 17.4737, 51.1396

Protanomaly

18.4027, 17.3709, 49.9600

Deuteranomaly

17.9236, 17.4374, 51.1363

Tritanomaly

14.4489, 17.2700, 34.0244

Monochromacy



Original Color

17.9939, 17.4737, 51.1396

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.1737, 15.8853, 26.6925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9939, 17.4737, 51.1396 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(69, 116, 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(69, 116, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 116, 190) }
```

Border

The CSS property to change the border of an element to XYZ 17.9939, 17.4737, 51.1396 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, 190) }
```


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

```
.border{ border-color:rgb(69, 116, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 116, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 116, 190);  
box-shadow:4px 4px 4px 4px rgb(69, 116,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9939, 17.4737, 51.1396 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, 190) }
```

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

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