

Converting Colors

XYZ(18.9653, 17.4567, 51.6601)

Have a look what the booklet for
XYZ(18.9653, 17.4567, 51.6601)
contains.

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Color

**XYZ(18.9653, 17.4567,
51.6601)**

Conversions

Conversions Part 1

Format	Color
Hex	5471BF
RGB	84, 113, 191
RGB Percent	33%, 44%, 75%
CMY	0.6706, 0.5569, 0.2510
CMYK	0.56, 0.41, 0.00, 0.25
HSL	224°, 46%, 54%
HSV	224°, 56%, 75%
XYZ	18.9653, 17.4567, 51.6601
YIQ	113.2210, -42.3220, 18.1100

Conversions

Conversions Part 2

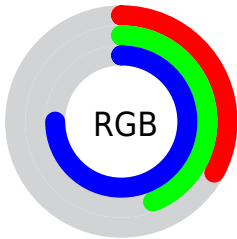
Format	Color
R_{YB}	84, 107, 191
Decimal	5534143
CIE _{Lab}	48.83, 12.73, -44.21
CIE _{LCh}	49, 46.010, 286.067
Yxy	17.4567, 0.2153, 0.1982
Android (android.graphics.Color)	4283724223 (0xFF5471BF)
YUV	113.2210, 38.3450, -25.6268
Hunter-Lab	41.7812, 7.9075, -44.0619

Details

The XYZ color **18.9653, 17.4567, 51.6601** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **36.0076, 37.5590, 13.7405**, and the grayscale version is **15.6610, 16.4766, 17.9431**.

A 20% lighter version of the original color is **41.2032, 38.9910, 94.1613**, and **6.6606, 5.8041, 24.4362** is the 20% darker color. If you saturate the color by 10%, you get **16.0470, 13.8206, 51.1124**, and if you desaturate by 10%, it is **22.5894, 21.8109, 52.3099**.

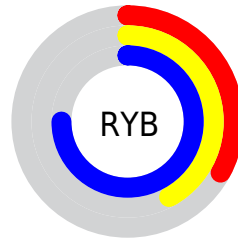
Distribution



Red (33%)

Green (44%)

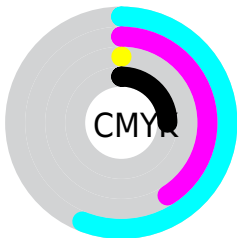
Blue (75%)



Red (33%)

Yellow (42%)

Blue (75%)

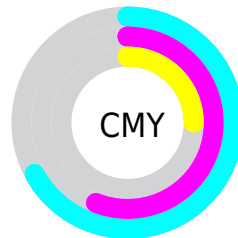


Cyan (56%)

Magenta (41%)

Yellow (0%)

Black (25%)



Cyan (67%)

Magenta (56%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9653, 17.4567, 51.6601 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 18.9653, 17.4567, 51.6601 by changing the saturation by 10% instead.

■ 18.9653, 17.4567,
51.6601

■ 18.9653, 17.4567,
51.6601

239.1989,
237.7906, 410.0425

■ 11.7491, 10.5606,
36.3538

■ 41.1928, 39.1093,
94.0512

■ 6.6440, 5.7722,
24.4157

■ 56.9347, 54.6347,
121.9732

■ 3.2848, 2.7071,
15.4273

■ 76.2493, 73.8053,
154.9375

■ 1.3061, 0.9808,
8.9699

■ 99.5019, 97.0056,
193.3626

■ 0.1878, 0.0000,
4.6250

127.0577,
124.6198, 237.6672

■ 0.0000, 0.0000,
1.9741

159.2823,

■ 0.0000, 0.0000,

157.0325, 288.2696

0.5393

196.5409,
194.6280, 345.5886

■ 0.0000, 0.0000,
0.0000

■ 18.9653, 17.4567,
51.6601

■ 18.9653, 17.4567,
51.6601

■ 16.0470, 13.8206,
51.1124

■ 22.5894, 21.8109,
52.3099

■ 13.7826, 10.8592,
50.6602

■ 26.9619, 26.9196,
53.0655

■ 12.1162, 8.5264,
50.2977

■ 32.1243, 32.8185,
53.9320

■ 10.9775, 6.7673,
50.0182

■ 38.1142, 39.5405,
54.9138

■ 10.6214, 6.1964,
49.9268

■ 44.9670, 47.1166,
56.0150

■ 52.7159, 55.5760,
57.2394

■ 61.3922, 64.9468,
58.5908

■ 71.0257, 75.2555,
60.0729

■ 81.3108, 86.3552,
61.6732

Harmonies

Analogous

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



14.6959, 17.4567, 52.1021



18.9653, 17.4567, 51.6601



23.2217, 17.4567, 40.3860

Triad

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



18.9653, 17.4567, 51.6601



22.9526, 17.4567, 6.6197



9.8410, 17.4567, 13.8974

Complementary

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



18.9653, 17.4567, 51.6601



36.0076, 37.5590, 13.7405

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.



11.3621, 17.4567, 6.9305



18.9653, 17.4567, 51.6601



18.6447, 17.4567, 4.1155

Square

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



18.9653, 17.4567, 51.6601



25.7794, 17.4567, 13.2231



14.4256, 17.4567, 4.1977



9.8969, 17.4567, 26.2718

Rectangle

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



18.9653, 17.4567, 51.6601



25.2670, 17.4567, 30.2074



14.4256, 17.4567, 4.1977



10.1718, 17.4567, 10.9872

Sweetspot

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



18.9660, 17.4573, 51.6605



66.8370, 69.2281, 98.1188



28.6929, 41.7091, 40.1113



14.1794, 14.6461, 21.4649



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.



18.9660, 17.4573, 51.6605



27.8195, 23.5736, 91.3630



18.6608, 13.2406, 50.8627



9.2213, 9.6348, 12.0459



7.0384, 4.1886, 32.8304



0.3321, 0.2769, 1.3048

Inverse Universe

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



27.6375, 18.6103, 17.7587



45.2711, 27.3364, 22.8113



36.3412, 46.2070, 15.3921



9.6335, 9.5777, 10.4592



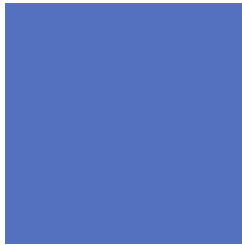
14.5534, 7.4525, 2.9421



0.5985, 0.3033, 0.2651

Previews

White Background



This preview shows how the XYZ color 18.9653, 17.4567, 51.6601 looks on a white background.

Color Contrast Check

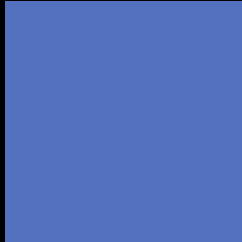
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9653, 17.4567, 51.6601 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 18.9653, 17.4567, 51.6601

Background



This preview shows how black text looks on a background with the XYZ color 18.9653, 17.4567, 51.6601.

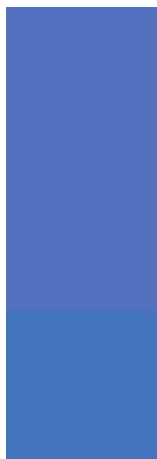


This preview shows how white text looks on a background with the XYZ color 18.9653, 17.4567,

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

18.9653, 17.4567, 51.6601

Protanopia

18.9653, 17.4567, 51.6601

Deuteranopia

17.9236, 17.4374, 51.1363



Tritanopia

13.7567, 17.4733, 25.5693

Trichromacy



Original Color

18.9653, 17.4567, 51.6601

Protanomaly

18.9653, 17.4567, 51.6601

Deuteranomaly

18.2490, 17.4350, 51.1187

Tritanomaly

15.3523, 17.3809, 33.5560

Monochromacy



Original Color

18.9653, 17.4567, 51.6601

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.1923, 16.5581, 27.5419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9653, 17.4567, 51.6601 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(84, 113, 191)` looks like.

```
.text, #text, p{  
    color:rgb(84, 113, 191)  
}
```

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(84, 113, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 113, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.9653, 17.4567, 51.6601 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(84, 113, 191) }
```


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

```
.border{ border-color:rgb(84, 113, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 113, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 113, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 113, 191);  
box-shadow:4px 4px 4px 4px rgb(84, 113,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9653, 17.4567, 51.6601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 113, 191) }
```

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

```
.background{ background-color: rgb(84, 113,  
191) }
```

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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