

Converting Colors

XYZ(19.3983, 20.0054, 50.8137)

Have a look what the booklet for
XYZ(19.3983, 20.0054, 50.8137)
contains.

XYZ(19.4702, 20.0517, 50.9883)	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(19.4702, 20.0517,
50.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7EBD
RGB	74, 126, 189
RGB Percent	29%, 49%, 74%
CMY	0.7098, 0.5059, 0.2588
CMYK	0.61, 0.33, 0.00, 0.26
HSL	213°, 47%, 52%
HSV	213°, 61%, 74%
XYZ	19.4702, 20.0517, 50.9883
YIQ	117.6340, -51.2150, 8.5690

Conversions

Conversions Part 2

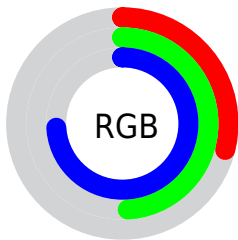
Format	Color
R _Y B	74, 110, 189
Decimal	4882109
CIE Lab	51.90, 2.09, -38.25
CIE LCh	52, 38.306, 273.131
Yxy	20.0517, 0.2151, 0.2215
Android (android.graphics.Color)	4283072189 (0xFF4A7EBD)
YUV	117.6340, 35.1834, -38.2670
Hunter-Lab	44.7791, -0.7507, -36.1659

Details

The XYZ color **19.4702, 20.0517, 50.9883** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **31.1690, 29.2061, 10.4741**, and the grayscale version is **17.0116, 17.8975, 19.4904**.

A 20% lighter version of the original color is **42.0707, 43.4001, 93.3485**, and **7.0271, 7.0570, 23.9134** is the 20% darker color. If you saturate the color by 10%, you get **16.9716, 16.8990, 50.5119**, and if you desaturate by 10%, it is **22.5444, 23.7052, 51.5319**.

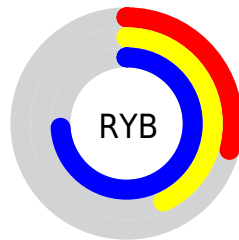
Distribution



Red (29%)

Green (49%)

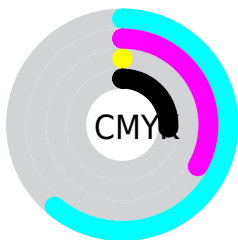
Blue (74%)



Red (29%)

Yellow (43%)

Blue (74%)

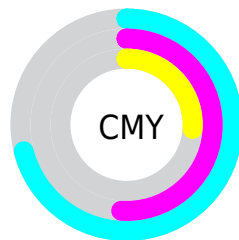


Cyan (61%)

Magenta (33%)

Yellow (0%)

Black (26%)



Cyan (71%)

Magenta (51%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4702, 20.0517, 50.9883 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 19.4702, 20.0517, 50.9883 by changing the saturation by 10% instead.

■ 19.4702, 20.0517,
50.9883

■ 19.4702, 20.0517,
50.9883

241.9210,
252.1949, 407.3636

■ 12.1165, 12.4326,
35.8226

■ 42.0379, 43.5038,
93.0488

■ 6.8959, 7.0390,
24.0086

■ 57.9826, 60.1057,
120.7807

■ 3.4428, 3.4865,
15.1278

■ 77.5218, 80.4706,
153.5385

■ 1.3920, 1.3907,
8.7615

■ 101.0207,
104.9830, 191.7406

■ 0.2505, 0.2099,
4.4913

■ 128.8447,
134.0272, 235.8056

■ 0.0000, 0.0000,
1.8985

161.3592,

■ 0.0000, 0.0000,

167.9877, 286.1521

0.4918

198.9295,
207.2487, 343.1986

■ 0.0000, 0.0000,
0.0000

■ 19.4702, 20.0517,
50.9883

■ 19.4702, 20.0517,
50.9883

■ 16.9716, 16.8990,
50.5119

■ 22.5444, 23.7052,
51.5319

■ 15.0016, 14.2159,
50.0978

■ 26.2315, 27.8836,
52.1441

■ 13.5088, 11.9696,
49.7429

■ 30.5679, 32.6118,
52.8281

■ 12.4701, 10.2436,
49.4645

■ 35.5862, 37.9120,
53.5867

■ 41.3171, 43.8052,
54.4221

■ 47.7888, 50.3111,
55.3368

■ 55.0284, 57.4485,
56.3329

■ 63.0613, 65.2352,
57.4125

■ 71.9116, 73.6885,
58.5777

Harmonies

Analogous

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



15.8723, 20.0517, 47.0761



19.4702, 20.0517, 50.9883



23.4484, 20.0517, 45.1493

Triad

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



19.4702, 20.0517, 50.9883



26.0377, 20.0517, 12.0888



13.1318, 20.0517, 13.5081

Complementary

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



19.4702, 20.0517, 50.9883



31.1690, 29.2061, 10.4741

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.



15.2539, 20.0517, 8.3534



19.4702, 20.0517, 50.9883



22.6449, 20.0517, 7.7516

Square

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



19.4702, 20.0517, 50.9883



27.5504, 20.0517, 20.6831



18.6527, 20.0517, 6.6628



12.5200, 20.0517, 23.0245

Rectangle

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



19.4702, 20.0517, 50.9883



25.6945, 20.0517, 37.3826



18.6527, 20.0517, 6.6628



13.6765, 20.0517, 11.3328

Sweetspot

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



19.4710, 20.0524, 50.9888



66.2341, 70.4948, 96.3422



25.4191, 39.6103, 29.3519



13.6317, 14.5243, 20.6276



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.



19.4710, 20.0524, 50.9888



29.1221, 28.5779, 90.2074



14.7633, 10.1854, 49.3324



9.3622, 9.9167, 12.0929



8.4645, 7.0407, 33.3058



0.3969, 0.4065, 1.3264

Inverse Universe

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



27.2016, 17.2236, 21.6301



44.7988, 25.3876, 30.1012



39.4820, 47.2251, 13.5140



9.7047, 9.6062, 10.8338



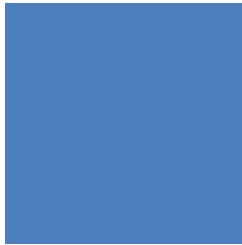
15.2732, 7.7404, 6.7325



0.6313, 0.3164, 0.4375

Previews

White Background



This preview shows how the XYZ color 19.4702, 20.0517, 50.9883 looks on a white 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

Black Background



This preview shows how the XYZ color 19.4702, 20.0517, 50.9883 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 19.4702, 20.0517, 50.9883

Background



This preview shows how black text looks on a background with the XYZ color 19.4702, 20.0517, 50.9883.

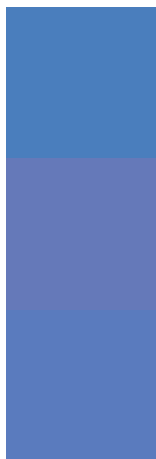


This preview shows how white text looks on a background with the XYZ color 19.4702, 20.0517,

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

19.4702, 20.0517, 50.9883

Protanopia

20.9612, 19.9442, 48.6438

Deuteranopia

20.5937, 20.0573, 51.5012



Tritanopia

15.3736, 20.1875, 30.2804

Trichromacy



Original Color

19.4702, 20.0517, 50.9883

Protanomaly

20.2603, 19.9352, 49.2344

Deuteranomaly

20.1581, 20.0178, 51.5166

Tritanomaly

16.6973, 20.1033, 37.1827

Monochromacy



Original Color

19.4702, 20.0517, 50.9883

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.3509, 18.5131, 29.0445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4702, 20.0517, 50.9883 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(74, 126, 189)` looks like.

```
.text, #text, p{  
    color:rgb(74, 126, 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(74, 126, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 126, 189) }
```

Border

The CSS property to change the border of an element to XYZ 19.4702, 20.0517, 50.9883 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(74, 126, 189) }
```


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

```
.border{ border-color:rgb(74, 126, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 126, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 126, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 126, 189);  
box-shadow:4px 4px 4px 4px rgb(74, 126,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4702, 20.0517, 50.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 126, 189) }
```

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

```
.background{ background-color: rgb(74, 126,  
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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