

Converting Colors

XYZ(17.8948, 19.2686, 40.5909)

Have a look what the booklet for
XYZ(17.8948, 19.2686, 40.5909)
contains.

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Color

**XYZ(17.9827, 19.3188,
40.8113)**

Conversions

Conversions Part 1

Format	Color
Hex	517DAA
RGB	81, 125, 170
RGB Percent	32%, 49%, 67%
CMY	0.6823, 0.5098, 0.3333
CMYK	0.52, 0.26, 0.00, 0.33
HSL	210°, 35%, 49%
HSV	210°, 52%, 67%
XYZ	17.9827, 19.3188, 40.8113
YIQ	116.9740, -40.6690, 4.6670

Conversions

Conversions Part 2

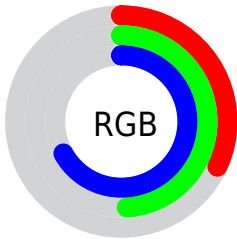
Format	Color
R_{YB}	81, 110, 170
Decimal	5340586
CIE _{Lab}	51.06, -2.00, -28.58
CIE _{LCh}	51, 28.654, 265.990
Yxy	19.3188, 0.2302, 0.2473
Android (android.graphics.Color)	4283530666 (0xFF517DAA)
YUV	116.9740, 26.1418, -31.5492
Hunter-Lab	43.9532, -3.8877, -24.2846

Details

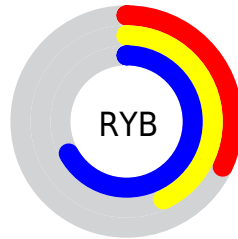
The XYZ color **17.9827, 19.3188, 40.8113** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.5245, 24.0631, 11.0850**, and the grayscale version is **16.8318, 17.7083, 19.2844**.

A 20% lighter version of the original color is **39.4661, 42.1148, 77.2830**, and **6.1637, 6.6363, 18.0956** is the 20% darker color. If you saturate the color by 10%, you get **15.6627, 16.5770, 40.4047**, and if you desaturate by 10%, it is **20.7629, 22.4384, 41.2673**.

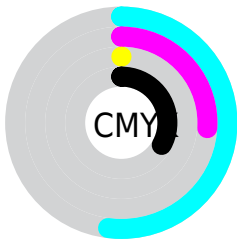
Distribution



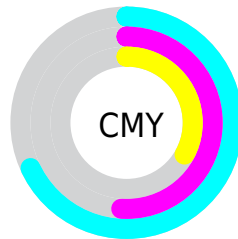
- Red (32%)
- Green (49%)
- Blue (67%)



- Red (32%)
- Yellow (43%)
- Blue (67%)



- Cyan (52%)
- Magenta (26%)
- Yellow (0%)
- Black (33%)



- Cyan (68%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9827, 19.3188, 40.8113 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 17.9827, 19.3188, 40.8113 by changing the saturation by 10% instead.

■ 17.9827, 19.3188,
40.8113

■ 17.9827, 19.3188,
40.8113

233.8210,
248.2031, 365.1846

■ 11.0372, 11.9009,
27.8531

■ 39.5382, 42.2721,
77.6479

■ 6.1593, 6.6762,
17.9769

■ 54.8788, 58.5763,
102.3634

■ 2.9838, 3.2604,
10.7641

■ 73.7485, 78.6113,
131.8350

■ 1.1452, 1.2692,
5.7963

■ 96.5127, 102.7616,
166.4814

■ 0.0624, 0.1171,
2.6548

■ 123.5367,
131.4115, 206.7210

■ 0.0000, 0.0000,
0.9206

155.1858,

■ 0.0000, 0.0000,

164.9455, 252.9723

0.0000

191.8255,
203.7479, 305.6540

■ 17.9827, 19.3188,
40.8113

■ 17.9827, 19.3188,
40.8113

■ 15.6627, 16.5770,
40.4047

■ 20.7629, 22.4384,
41.2673

■ 13.7708, 14.1918,
40.0441

■ 24.0285, 25.9511,
41.7732

■ 12.2735, 12.1427,
39.7275

■ 27.8050, 29.8736,
42.3313

■ 11.1304, 10.4050,
39.4523

■ 32.1156, 34.2212,
42.9432

■ 10.4294, 9.2496,
39.2662

■ 36.9819, 39.0080,
43.6107

■ 42.4242, 44.2475,
44.3352

■ 48.4617, 49.9525,
45.1181

■ 55.1130, 56.1353,
45.9610

■ 62.3954, 62.8078,
46.8651

Harmonies

Analogous

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



15.4737, 19.3188, 36.8451



17.9827, 19.3188, 40.8113



20.8605, 19.3188, 38.4573

Triad

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



17.9827, 19.3188, 40.8113



23.7210, 19.3188, 14.8987



14.1970, 19.3188, 13.4437

Complementary

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



17.9827, 19.3188, 40.8113



25.5245, 24.0631, 11.0850

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.



16.0713, 19.3188, 9.8760



17.9827, 19.3188, 40.8113



21.5889, 19.3188, 10.5516

Square

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



17.9827, 19.3188, 40.8113



24.3660, 19.3188, 22.1476



18.7465, 19.3188, 8.9728



13.4353, 19.3188, 19.9601

Rectangle

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



17.9827, 19.3188, 40.8113



22.5762, 19.3188, 33.8796



18.7465, 19.3188, 8.9728



14.7077, 19.3188, 11.9324

Sweetspot

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



17.9834, 19.3195, 40.8118



55.0701, 58.8886, 77.4660



21.5025, 31.9928, 24.6129



11.9332, 12.7818, 17.2259



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.9834, 19.3195, 40.8118



27.7473, 29.2547, 73.1862



13.5924, 10.5375, 39.3481



7.4266, 7.8901, 9.5499



7.7276, 6.9154, 28.9030



0.2393, 0.2709, 0.7203

Inverse Universe

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



23.2223, 15.9125, 21.2500



38.7025, 23.7935, 31.9075



32.4380, 37.8900, 13.3895



7.6799, 7.6018, 8.6316



13.4011, 6.7692, 6.9239



0.3520, 0.1751, 0.3048

Previews

White Background



This preview shows how the XYZ color 17.9827, 19.3188, 40.8113 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 17.9827, 19.3188, 40.8113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

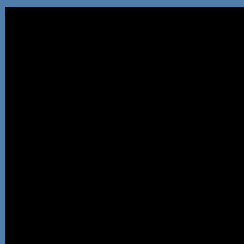
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

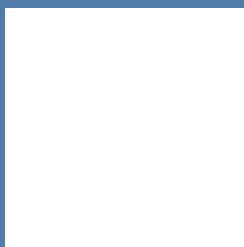
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9827, 19.3188, 40.8113

Background



This preview shows how black text looks on a background with the XYZ color 17.9827, 19.3188, 40.8113.

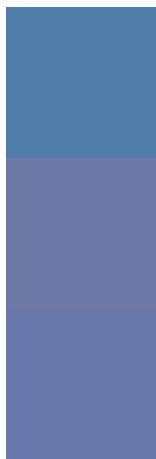


This preview shows how white text looks on a background with the XYZ color 17.9827, 19.3188,

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

17.9827, 19.3188, 40.8113

Protanopia

19.7837, 19.3743, 38.7733

Deuteranopia

19.6607, 19.2568, 41.2088



Tritanopia

15.3889, 19.2279, 28.0996

Trichromacy



Original Color

17.9827, 19.3188, 40.8113

Protanomaly

18.9716, 19.3058, 39.2857

Deuteranomaly

19.0295, 19.2922, 41.2489

Tritanomaly

16.2883, 19.2012, 32.5535

Monochromacy



Original Color

17.9827, 19.3188, 40.8113

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8693, 18.1536, 25.9074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9827, 19.3188, 40.8113 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(81, 125, 170)` looks like.

```
.text, #text, p{  
    color:rgb(81, 125, 170)  
}
```

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(81, 125, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 125, 170) }
```

Border

The CSS property to change the border of an element to XYZ 17.9827, 19.3188, 40.8113 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(81, 125, 170) }
```


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

```
.border{ border-color:rgb(81, 125, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 125, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 125, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 125, 170);  
box-shadow:4px 4px 4px 4px rgb(81, 125,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9827, 19.3188, 40.8113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 125, 170) }
```

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

```
.background{ background-color: rgb(81, 125,  
170) }
```

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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