

Converting Colors

XYZ(17.6658, 19.9441, 39.9643)

Have a look what the booklet for
XYZ(17.6658, 19.9441, 39.9643)
contains.

XYZ(17.6658, 19.9441, 39.9643)	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(17.6658, 19.9441,
39.9643)**

Conversions

Conversions Part 1

Format	Color
Hex	4981A8
RGB	73, 129, 168
RGB Percent	29%, 51%, 66%
CMY	0.7137, 0.4941, 0.3412
CMYK	0.57, 0.23, 0.00, 0.34
HSL	205°, 39%, 47%
HSV	205°, 57%, 66%
XYZ	17.6658, 19.9441, 39.9643
YIQ	116.7020, -45.8950, 0.2570

Conversions

Conversions Part 2

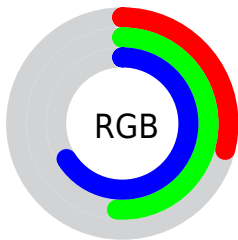
Format	Color
R _Y B	73, 108, 168
Decimal	4817320
CIE Lab	51.77, -6.79, -26.35
CIE LCh	52, 27.205, 255.557
Yxy	19.9441, 0.2277, 0.2571
Android (android.graphics.Color)	4283007400 (0xFF4981A8)
YUV	116.7020, 25.2899, -38.3267
Hunter-Lab	44.6588, -7.5432, -21.7963

Details

The XYZ color **17.6658, 19.9441, 39.9643** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.1460, 20.3953, 9.0210**, and the grayscale version is **16.7516, 17.6240, 19.1925**.

A 20% lighter version of the original color is **38.9493, 43.3728, 76.1310**, and **6.0210, 6.9983, 17.5565** is the 20% darker color. If you saturate the color by 10%, you get **15.6827, 17.6187, 39.6203**, and if you desaturate by 10%, it is **20.0554, 22.5709, 40.3458**.

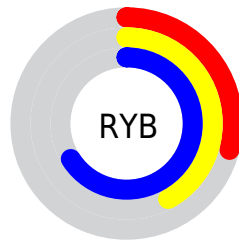
Distribution



Red (29%)

Green (51%)

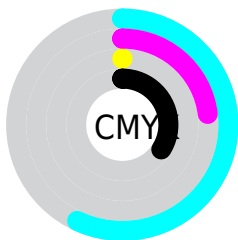
Blue (66%)



Red (29%)

Yellow (42%)

Blue (66%)

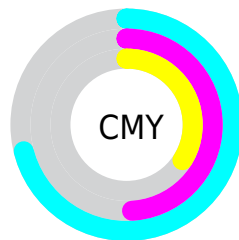


Cyan (57%)

Magenta (23%)

Yellow (0%)

Black (34%)



Cyan (71%)

Magenta (49%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6658, 19.9441, 39.9643 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 17.6658, 19.9441, 39.9643 by changing the saturation by 10% instead.

■ 17.6658, 19.9441,
39.9643

■ 17.6658, 19.9441,
39.9643

232.0627,
251.6123, 361.5207

■ 10.8085, 12.3544,
27.1971

■ 39.0016, 43.3234,
76.3456

■ 6.0046, 6.9855,
17.4876

■ 54.2108, 59.8819,
100.7969

■ 2.8886, 3.4531,
10.4171

■ 72.9348, 80.1987,
129.9799

■ 1.0951, 1.3726,
5.5672

■ 95.5388, 104.6583,
164.3133

■ 0.0210, 0.1964,
2.5192

■ 122.3883,
133.6451, 204.2155

■ 0.0000, 0.0000,
0.8503

153.8485,

■ 0.0000, 0.0000,

167.5434, 250.1051

0.0000

190.2849,
206.7377, 302.4007

■ 17.6658, 19.9441,
39.9643

■ 17.6658, 19.9441,
39.9643

■ 15.6827, 17.6187,
39.6203

■ 20.0554, 22.5709,
40.3458

■ 14.0745, 15.5754,
39.3107

■ 22.8758, 25.5122,
40.7648

■ 12.8077, 13.7955,
39.0339

■ 26.1518, 28.7829,
41.2235

■ 11.8346, 12.2525,
38.7874

■ 29.9055, 32.3959,
41.7230

■ 11.5327, 11.7567,
38.7076

■ 34.1574, 36.3634,
42.2647

■ 38.9270, 40.6971,
42.8498

■ 44.2324, 45.4078,
43.4795

■ 50.0910, 50.5060,
44.1547

■ 56.5194, 56.0016,
44.8767

Harmonies

Analogous

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



15.4845, 19.9441, 34.4442



17.6658, 19.9441, 39.9643



20.4124, 19.9441, 39.8498

Triad

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



17.6658, 19.9441, 39.9643



24.5297, 19.9441, 17.8966



15.4210, 19.9441, 12.7327

Complementary

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



17.6658, 19.9441, 39.9643



23.1460, 20.3953, 9.0210

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.



17.5711, 19.9441, 10.1362



17.6658, 19.9441, 39.9643



22.9116, 19.9441, 12.5872

Square

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



17.6658, 19.9441, 39.9643



24.5614, 19.9441, 25.7227



20.3081, 19.9441, 10.0903



14.2762, 19.9441, 18.1482

Rectangle

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



17.6658, 19.9441, 39.9643



22.2058, 19.9441, 36.5397



20.3081, 19.9441, 10.0903



16.0403, 19.9441, 11.5660

Sweetspot

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



17.6665, 19.9448, 39.9648



53.7133, 58.2610, 75.6396



19.6202, 30.5700, 19.9064



11.4130, 12.4182, 16.4476



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.6665, 19.9448, 39.9648



27.6046, 30.9198, 71.7383



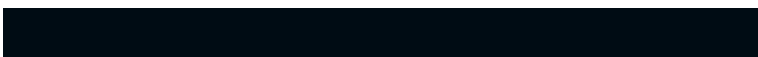
12.8715, 10.3548, 38.3665



7.4854, 8.0078, 9.5695



8.7603, 8.9808, 29.2472



0.2616, 0.3155, 0.7278

Inverse Universe

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



22.4941, 14.6757, 22.4166



37.6833, 21.9804, 34.6401



29.6639, 33.4311, 11.1936



7.7096, 7.6137, 8.7881



13.9224, 6.9777, 9.6689



0.3632, 0.1796, 0.3641

Previews

White Background



This preview shows how the XYZ color 17.6658, 19.9441, 39.9643 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 17.6658, 19.9441, 39.9643 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 17.6658, 19.9441, 39.9643

Background



This preview shows how black text looks on a background with the XYZ color 17.6658, 19.9441, 39.9643.

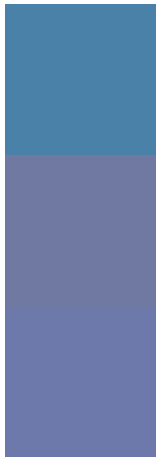


This preview shows how white text looks on a background with the XYZ color 17.6658, 19.9441,

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

17.6658, 19.9441, 39.9643

Protanopia

20.0411, 19.7281, 36.9341

Deuteranopia

20.2774, 19.7652, 40.7765



Tritanopia

15.5359, 19.8787, 29.4037

Trichromacy



Original Color

17.6658, 19.9441, 39.9643

Protanomaly

18.9455, 19.6923, 37.9244

Deuteranomaly

19.0884, 19.7128, 40.3350

Tritanomaly

16.3158, 19.9957, 33.1366

Monochromacy



Original Color

17.6658, 19.9441, 39.9643

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6481, 18.2190, 25.9317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6658, 19.9441, 39.9643 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(73, 129, 168)` looks like.

```
.text, #text, p{  
    color:rgb(73, 129, 168)  
}
```

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(73, 129, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 129, 168) }
```

Border

The CSS property to change the border of an element to XYZ 17.6658, 19.9441, 39.9643 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(73, 129, 168) }
```


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

```
.border{ border-color:rgb(73, 129, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 129, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 129, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 129, 168);  
box-shadow:4px 4px 4px 4px rgb(73, 129,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6658, 19.9441, 39.9643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 129, 168) }
```

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

```
.background{ background-color: rgb(73, 129,  
168) }
```

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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