

Converting Colors

XYZ(19.6515, 19.8395, 39.3529)

Have a look what the booklet for
XYZ(19.6515, 19.8395, 39.3529)
contains.

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Color

**XYZ(19.6515, 19.8395,
39.3529)**

Conversions

Conversions Part 1

Format	Color
Hex	677BA7
RGB	103, 123, 167
RGB Percent	40%, 48%, 65%
CMY	0.5961, 0.5176, 0.3451
CMYK	0.38, 0.26, 0.00, 0.35
HSL	221°, 27%, 53%
HSV	221°, 38%, 65%
XYZ	19.6515, 19.8395, 39.3529
YIQ	122.0360, -26.0440, 9.4440

Conversions

Conversions Part 2

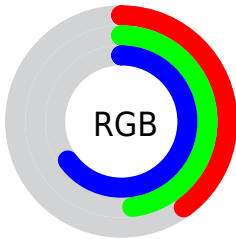
Format	Color
RYB	103, 118, 167
Decimal	6781863
CIELab	51.66, 4.04, -25.82
CIELCh	52, 26.130, 278.894
Yxy	19.8395, 0.2492, 0.2516
Android (android.graphics.Color)	4284971943 (0xFF677BA7)
YUV	122.0360, 22.1673, -16.6946
Hunter-Lab	44.5416, 0.8055, -21.2042

Details

The XYZ color **19.6515, 19.8395, 39.3529** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.8187, 30.0626, 17.1164**, and the grayscale version is **18.4470, 19.4076, 21.1349**.

A 20% lighter version of the original color is **42.2251, 43.0018, 75.1819**, and **7.0268, 7.0000, 17.2004** is the 20% darker color. If you saturate the color by 10%, you get **16.5822, 16.2658, 38.8252**, and if you desaturate by 10%, it is **23.2717, 23.9461, 39.9551**.

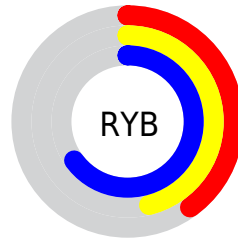
Distribution



Red (40%)

Green (48%)

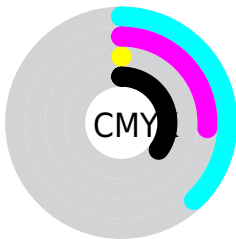
Blue (65%)



Red (40%)

Yellow (46%)

Blue (65%)

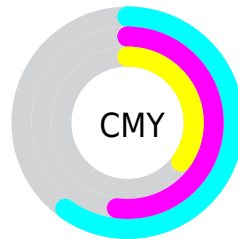


Cyan (38%)

Magenta (26%)

Yellow (0%)

Black (35%)



Cyan (60%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6515, 19.8395, 39.3529 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 19.6515, 19.8395, 39.3529 by changing the saturation by 10% instead.

■ 19.6515, 19.8395,
39.3529

■ 19.6515, 19.8395,
39.3529

242.8919,
251.0449, 358.8592

■ 12.2488, 12.2784,
26.7244

■ 42.3405, 43.1479,
75.4034

■ 6.9867, 6.9336,
17.1358

■ 58.3575, 59.6641,
99.6625

■ 3.5001, 3.4206,
10.1684

■ 77.9767, 79.9340,
128.6356

■ 1.4234, 1.3551,
5.4037

■ 101.5633,
104.3422, 162.7411

■ 0.2728, 0.1832,
2.4231

129.4828,
133.2730, 202.3977

■ 0.0000, 0.0000,
0.7990

162.1005,

■ 0.0000, 0.0000,

167.1108, 248.0239

0.0000

199.7817,
206.2400, 300.0382

■ 19.6515, 19.8395,
39.3529

■ 19.6515, 19.8395,
39.3529

■ 16.5822, 16.2658,
38.8252

■ 23.2717, 23.9461,
39.9551

■ 14.0333, 13.1994,
38.3677

■ 27.4674, 28.6050,
40.6332

■ 11.9740, 10.6158,
37.9776

■ 32.2639, 33.8375,
41.3904

■ 10.3691, 8.4874,
37.6513

■ 37.6845, 39.6630,
42.2291

■ 9.1783, 6.7830,
37.3851

■ 43.7510, 46.0999,
43.1518

■ 8.3347, 5.4572,
37.1737

■ 50.4844, 53.1658,
44.1608

■ 8.2116, 5.2629,
37.1426

■ 57.9046, 60.8778,
45.2583

■ 66.0305, 69.2518,
46.4464

■ 74.8806, 78.3037,
47.7271

Harmonies

Analogous

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



17.0898, 19.8395, 38.1727



19.6515, 19.8395, 39.3529



22.2220, 19.8395, 34.9850

Triad

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



19.6515, 19.8395, 39.3529



23.0836, 19.8395, 13.7087



14.5122, 19.8395, 16.7847

Complementary

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



19.6515, 19.8395, 39.3529



28.8187, 30.0626, 17.1164

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.



15.8498, 19.8395, 12.1585



19.6515, 19.8395, 39.3529



20.7416, 19.8395, 10.6917

Square

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



19.6515, 19.8395, 39.3529



24.3213, 19.8395, 19.4341



18.0839, 19.8395, 10.1993



14.2791, 19.8395, 23.9251

Rectangle

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



19.6515, 19.8395, 39.3529



23.5385, 19.8395, 30.0031



18.0839, 19.8395, 10.1993



14.8412, 19.8395, 14.9365

Sweetspot

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



19.6522, 19.8403, 39.3534



55.1980, 57.7968, 73.7219



24.6583, 32.6197, 32.4913



12.0988, 12.6579, 16.4577



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.



19.6522, 19.8403, 39.3534



30.4559, 30.0255, 69.6656



18.8611, 16.1180, 38.6766



7.3160, 7.6689, 9.5130



6.3230, 4.1061, 28.4348



0.1991, 0.1903, 0.7069

Inverse Universe

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



24.3623, 19.3467, 21.1899



40.2690, 29.5911, 31.6907



29.8362, 35.6121, 18.1339



7.6241, 7.5795, 8.3376



12.6921, 6.4856, 3.1904



0.3316, 0.1669, 0.1978

Previews

White Background



This preview shows how the XYZ color 19.6515, 19.8395, 39.3529 looks on a white background.

Color Contrast Check

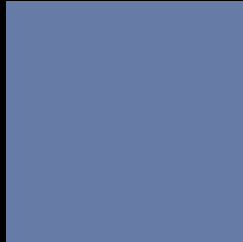
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6515, 19.8395, 39.3529 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

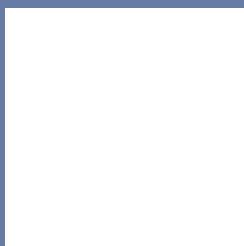
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6515, 19.8395, 39.3529

Background



This preview shows how black text looks on a background with the XYZ color 19.6515, 19.8395, 39.3529.



This preview shows how white text looks on a background with the XYZ color 19.6515, 19.8395,

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

19.6515, 19.8395, 39.3529

Protanopia

20.1507, 19.7429, 38.8251

Deuteranopia

20.2428, 19.7798, 39.3102



Tritanopia

17.2032, 19.7892, 27.3391

Trichromacy



Original Color

19.6515, 19.8395, 39.3529

Protanomaly

19.9059, 19.7980, 38.8486

Deuteranomaly

19.9980, 19.8349, 39.3337

Tritanomaly

18.0313, 19.7443, 31.2944

Monochromacy



Original Color

19.6515, 19.8395, 39.3529

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6172, 19.3989, 26.8079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6515, 19.8395, 39.3529 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(103, 123, 167)` looks like.

```
.text, #text, p{  
    color:rgb(103, 123, 167)  
}
```

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(103, 123, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 123, 167) }
```

Border

The CSS property to change the border of an element to XYZ 19.6515, 19.8395, 39.3529 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(103, 123, 167) }
```


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

```
.border{ border-color:rgb(103, 123, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 123, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 123, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 123, 167);  
box-shadow:4px 4px 4px 4px rgb(103, 123,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6515, 19.8395, 39.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 123, 167) }
```

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

```
.background{ background-color: rgb(103,  
123, 167) }
```

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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