

Converting Colors

XYZ(19.9979, 16.0475, 44.2494)

Have a look what the booklet for
XYZ(19.9979, 16.0475, 44.2494)
contains.

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Color

**XYZ(19.9689, 15.9896,
44.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	7663B2
RGB	118, 99, 178
RGB Percent	46%, 39%, 70%
CMY	0.5372, 0.6118, 0.3020
CMYK	0.34, 0.44, 0.00, 0.30
HSL	254°, 34%, 54%
HSV	254°, 44%, 70%
XYZ	19.9689, 15.9896, 44.1533
YIQ	113.6870, -14.0350, 28.5970

Conversions

Conversions Part 2

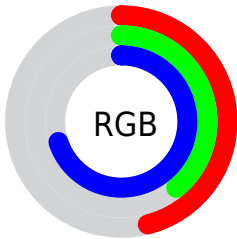
Format	Color
R_{YB}	118, 99, 178
Decimal	7758770
CIE Lab	46.96, 25.86, -39.48
CIE LCh	47, 47.196, 303.222
Yxy	15.9896, 0.2493, 0.1996
Android (android.graphics.Color)	4285948850 (0xFF7663B2)
YUV	113.6870, 31.7063, 3.7825
Hunter-Lab	39.9870, 19.1629, -37.4766

Details

The XYZ color **19.9689, 15.9896, 44.1533** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **32.4709, 40.1129, 17.8361**, and the grayscale version is **15.8123, 16.6358, 18.1164**.

A 20% lighter version of the original color is **42.7709, 36.5239, 82.6374**, and **7.1764, 5.0949, 20.0072** is the 20% darker color. If you saturate the color by 10%, you get **16.7586, 12.1014, 43.5723**, and if you desaturate by 10%, it is **23.8152, 20.7580, 44.8713**.

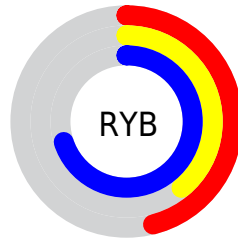
Distribution



Red (46%)

Green (39%)

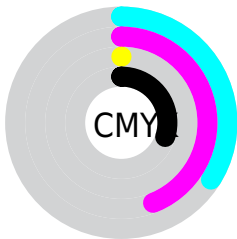
Blue (70%)



Red (46%)

Yellow (39%)

Blue (70%)

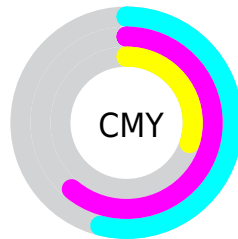


Cyan (34%)

Magenta (44%)

Yellow (0%)

Black (30%)



Cyan (54%)

Magenta (61%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9689, 15.9896, 44.1533 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 19.9689, 15.9896, 44.1533 by changing the saturation by 10% instead.

■ 19.9689, 15.9896,
44.1533

■ 19.9689, 15.9896,
44.1533

244.5835,
229.2803, 379.3931

■ 12.4806, 9.5168,
30.4530

■ 42.8694, 36.5801,
82.7533

■ 7.1464, 5.0798,
19.9277

■ 59.0122, 51.4667,
108.4901

■ 3.6010, 2.2941,
12.1589

■ 78.7706, 69.9266,
139.0760

■ 1.4790, 0.7706,
6.7282

■ 102.5100, 92.3442,
174.9298

■ 0.3114, 0.0000,
3.2168

130.5956,
119.1040, 216.4698

■ 0.0000, 0.0000,
1.2064

163.3928,

■ 0.0000, 0.0000,

150.5904, 264.1147

0.0000

201.2670,
187.1877, 318.2829

■ 19.9689, 15.9896,
44.1533

■ 19.9689, 15.9896,
44.1533

■ 16.7586, 12.1014,
43.5723

■ 23.8152, 20.7580,
44.8713

■ 14.1467, 9.0364,
43.1184

■ 28.3287, 26.4550,
45.7330

■ 12.0941, 6.7338,
42.7821

■ 33.5404, 33.1276,
46.7463

■ 10.5561, 5.1231,
42.5523

■ 39.4790, 40.8193,
47.9179

■ 9.4801, 4.1200,
42.4154

■ 46.1716, 49.5706,
49.2543

■ 9.0243, 3.7239,
42.3629

■ 53.6437, 59.4200,
50.7616

■ 61.9197, 70.4039,
52.4456

■ 71.0229, 82.5573,
54.3116

■ 79.6201, 93.2024,
55.9132

Harmonies

Analogous

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



15.6477, 15.9896, 51.3478



19.9689, 15.9896, 44.1533



23.4322, 15.9896, 29.7755

Triad

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



19.9689, 15.9896, 44.1533



19.0571, 15.9896, 3.9879



8.5762, 15.9896, 18.7178

Complementary

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



19.9689, 15.9896, 44.1533



32.4709, 40.1129, 17.8361

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.



9.1611, 15.9896, 9.0524



19.9689, 15.9896, 44.1533



14.7563, 15.9896, 3.1554

Square

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



19.9689, 15.9896, 44.1533



22.8425, 15.9896, 7.6968



11.2542, 15.9896, 4.4850



9.4828, 15.9896, 33.0503

Rectangle

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



19.9689, 15.9896, 44.1533



24.5092, 15.9896, 20.2298



11.2542, 15.9896, 4.4850



8.6055, 15.9896, 14.8651

Sweetspot

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



19.9695, 15.9902, 44.1537



61.9996, 61.5910, 85.0017



25.6778, 30.8591, 46.7228



13.2450, 13.0130, 18.7359



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.9695, 15.9902, 44.1537



30.6360, 22.2382, 79.0589



26.3898, 19.3000, 44.4541



8.2270, 8.3256, 10.6797



6.5055, 2.6895, 30.3132



0.2577, 0.1119, 0.9563

Inverse Universe

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



29.0803, 20.8924, 35.3011



49.4868, 32.4016, 59.8154



25.9280, 36.7399, 17.5299



8.7609, 8.6111, 10.2394



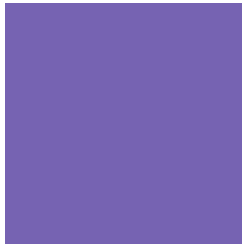
16.3010, 8.0380, 17.2769



0.5340, 0.2614, 0.6550

Previews

White Background



This preview shows how the XYZ color 19.9689, 15.9896, 44.1533 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 19.9689, 15.9896, 44.1533 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 19.9689, 15.9896, 44.1533

Background



This preview shows how black text looks on a background with the XYZ color 19.9689, 15.9896, 44.1533.

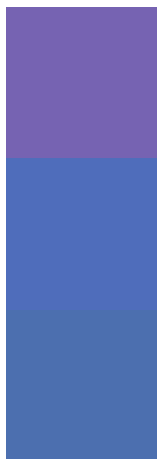


This preview shows how white text looks on a background with the XYZ color 19.9689, 15.9896,

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

19.9689, 15.9896, 44.1533

Protanopia

17.6627, 16.1874, 49.2073

Deuteranopia

16.4028, 16.0005, 42.7813



Tritanopia

15.1892, 16.0330, 20.3833

Trichromacy



Original Color

19.9689, 15.9896, 44.1533

Protanomaly

18.2175, 15.8910, 47.4545

Deuteranomaly

17.4086, 15.8741, 43.2208

Tritanomaly

16.5706, 15.7834, 27.7643

Monochromacy



Original Color

19.9689, 15.9896, 44.1533

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.0542, 16.3883, 25.9313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9689, 15.9896, 44.1533 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(118, 99, 178)` looks like.

```
.text, #text, p{  
    color:rgb(118, 99, 178)  
}
```

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(118, 99, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 99, 178) }
```

Border

The CSS property to change the border of an element to XYZ 19.9689, 15.9896, 44.1533 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(118, 99, 178) }
```


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

```
.border{ border-color:rgb(118, 99, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 99, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 99, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 99, 178);  
box-shadow:4px 4px 4px 4px rgb(118, 99,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9689, 15.9896, 44.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 99, 178) }
```

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

```
.background{ background-color: rgb(118, 99,  
178) }
```

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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