

Converting Colors

XYZ(15.6744, 11.5601, 22.1755)

Have a look what the booklet for
XYZ(15.6744, 11.5601, 22.1755)
contains.

XYZ(15.6696, 11.5599, 22.1743)	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(15.6696, 11.5599,
22.1743)**

Conversions

Conversions Part 1

Format	Color
Hex	814D81
RGB	129, 77, 129
RGB Percent	51%, 30%, 51%
CMY	0.4941, 0.6980, 0.4941
CMYK	0.00, 0.40, 0.00, 0.49
HSL	300°, 25%, 40%
HSV	300°, 40%, 51%
XYZ	15.6696, 11.5599, 22.1743
YIQ	98.4760, 14.3000, 27.1960

Conversions

Conversions Part 2

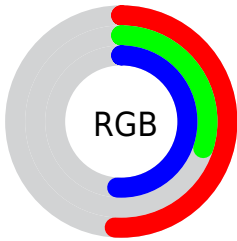
Format	Color
RYB	129, 77, 129
Decimal	8473985
CIELab	40.51, 30.59, -20.24
CIELCh	41, 36.684, 326.512
Yxy	11.5599, 0.3172, 0.2340
Android (android.graphics.Color)	4286664065 (0xFF814D81)
YUV	98.4760, 15.0483, 26.7695
Hunter-Lab	33.9999, 22.7660, -14.8683

Details

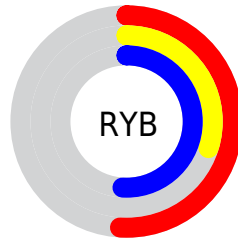
The XYZ color **15.6696, 11.5599, 22.1743** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **12.2509, 17.8145, 9.8147**, and the grayscale version is **11.6896, 12.2984, 13.3929**.

A 20% lighter version of the original color is **35.5613, 28.6234, 47.9066**, and **5.0541, 3.1274, 7.9267** is the 20% darker color. If you saturate the color by 10%, you get **14.8551, 9.9306, 21.9029**, and if you desaturate by 10%, it is **16.6639, 13.5482, 22.5059**.

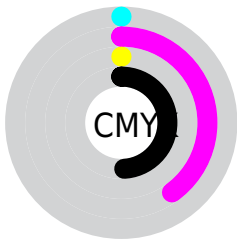
Distribution



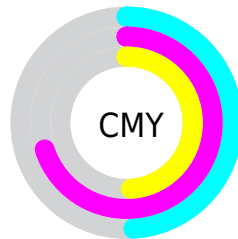
- Red (51%)
- Green (30%)
- Blue (51%)



- Red (51%)
- Yellow (30%)
- Blue (51%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (49%)



- Cyan (49%)
- Magenta (70%)
- Yellow (49%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6696, 11.5599, 22.1743 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 15.6696, 11.5599, 22.1743 by changing the saturation by 10% instead.

■ 15.6696, 11.5599,
22.1743

■ 15.6696, 11.5599,
22.1743

220.6931,
201.4695, 276.4383

■ 9.3800, 6.4448,
13.7855

■ 35.5858, 28.6910,
47.9398

■ 5.0490, 3.1174,
7.8346

■ 49.9430, 41.4757,
66.1535

■ 2.3111, 1.1933,
3.9030

■ 67.7203, 57.5857,
88.4794

■ 0.8003, 0.0562,
1.5723

■ 89.2828, 77.4055,
115.3358

■ 0.0000, 0.0000,
0.2709

■ 114.9960,
101.3194, 147.1413

■ 0.0000, 0.0000,
0.0000

145.2252,

129.7117, 184.3146

180.3358,
162.9670, 227.2741

■ 15.6696, 11.5599,
22.1743

■ 15.6696, 11.5599,
22.1743

■ 14.8551, 9.9306,
21.9029

■ 16.6639, 13.5482,
22.5059

■ 14.2086, 8.6376,
21.6874

■ 17.8466, 15.9136,
22.9001

■ 13.7187, 7.6579,
21.5240

■ 19.2272, 18.6748,
23.3603

■ 13.3722, 6.9648,
21.4085

■ 20.8140, 21.8485,
23.8893

■ 13.1535, 6.5275,
21.3356

■ 22.6152, 25.4509,
24.4897

■ 13.0158, 6.2522,
21.2897

■ 24.6383, 29.4969,
25.1641

■ 26.8904, 34.0011,
25.9148

■ 29.3784, 38.9772,
26.7442

■ 32.1089, 44.4382,
27.6544

Harmonies

Analogous

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



13.3558, 11.5599, 30.0777



15.6696, 11.5599, 22.1743



16.7249, 11.5599, 13.4717

Triad

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



15.6696, 11.5599, 22.1743



11.2921, 11.5599, 3.0607



7.1167, 11.5599, 20.0600

Complementary

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



15.6696, 11.5599, 22.1743



12.2509, 17.8145, 9.8147

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.



6.7397, 11.5599, 11.7415



15.6696, 11.5599, 22.1743



8.9169, 11.5599, 3.6693

Square

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



15.6696, 11.5599, 22.1743



13.9605, 11.5599, 4.0629



7.3452, 11.5599, 6.2588



8.4695, 11.5599, 28.5580

Rectangle

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



15.6696, 11.5599, 22.1743



16.4675, 11.5599, 8.9628



7.3452, 11.5599, 6.2588



6.8818, 11.5599, 17.0757

Sweetspot

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



15.6700, 11.5604, 22.1745



33.9145, 32.4086, 41.6604



9.6775, 8.4711, 21.8942



7.6170, 7.2168, 9.4098



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.6700, 11.5604, 22.1745



26.7584, 18.0964, 39.2749



14.1558, 10.9547, 14.2009



4.4982, 4.4124, 5.4279



12.6905, 6.0959, 20.7575



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.6700, 11.5604, 22.1745



26.7584, 18.0964, 39.2749



13.3595, 18.2580, 15.6525



4.4982, 4.4124, 5.4279



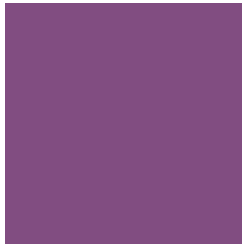
12.6905, 6.0959, 20.7575



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.6696, 11.5599, 22.1743 looks on a white background.

Color Contrast Check

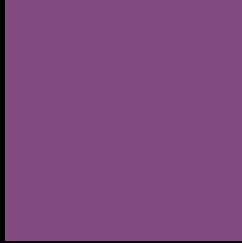
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6696, 11.5599, 22.1743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

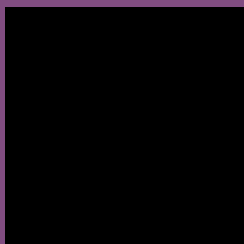
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6696, 11.5599, 22.1743

Background



This preview shows how black text looks on a background with the XYZ color 15.6696, 11.5599, 22.1743.



This preview shows how white text looks on a background with the XYZ color 15.6696, 11.5599,

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

15.6696, 11.5599, 22.1743

Protanopia

12.2689, 11.6941, 27.5971

Deuteranopia

11.8884, 11.6356, 21.3580



Tritanopia

13.4924, 11.5548, 11.6444

Trichromacy



Original Color

15.6696, 11.5599, 22.1743

Protanomaly

13.1142, 11.4111, 25.5561

Deuteranomaly

13.0294, 11.4548, 21.6029

Tritanomaly

14.1713, 11.4901, 14.8355

Monochromacy



Original Color

15.6696, 11.5599, 22.1743

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.7232, 11.6677, 16.0495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6696, 11.5599, 22.1743 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(129, 77, 129)` looks like.

```
.text, #text, p{  
    color:rgb(129, 77, 129)  
}
```

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(129, 77, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 77, 129) }
```

Border

The CSS property to change the border of an element to XYZ 15.6696, 11.5599, 22.1743 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(129, 77, 129) }
```


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

```
.border{ border-color:rgb(129, 77, 129) }
```

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

Here you see how a box with a 4 pixel rgb(129, 77, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 77, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 77, 129);  
box-shadow:4px 4px 4px 4px rgb(129, 77,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6696, 11.5599, 22.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 77, 129) }
```

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

```
.background{ background-color: rgb(129, 77,  
129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor