

Converting Colors

XYZ(24.9919, 22.7402, 58.9499)

Have a look what the booklet for
XYZ(24.9919, 22.7402, 58.9499)
contains.

XYZ(24.9316, 22.6967, 58.9440)	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(24.9316, 22.6967,
58.9440)**

Conversions

Conversions Part 1

Format	Color
Hex	717ECA
RGB	113, 126, 202
RGB Percent	44%, 49%, 79%
CMY	0.5568, 0.5059, 0.2078
CMYK	0.44, 0.38, 0.00, 0.21
HSL	231°, 46%, 62%
HSV	231°, 44%, 79%
XYZ	24.9316, 22.6967, 58.9440
YIQ	130.7770, -32.1440, 20.8800

Conversions

Conversions Part 2

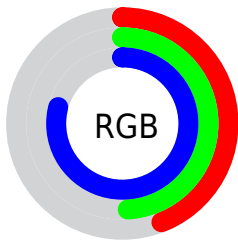
Format	Color
R_{YB}	113, 124, 202
Decimal	7438026
CIE _{Lab}	54.76, 15.07, -41.00
CIE _{LCh}	55, 43.686, 290.184
Yxy	22.6967, 0.2339, 0.2130
Android (android.graphics.Color)	4285628106 (0xFF717ECA)
YUV	130.7770, 35.1129, -15.5904
Hunter-Lab	47.6411, 10.0411, -40.0079

Details

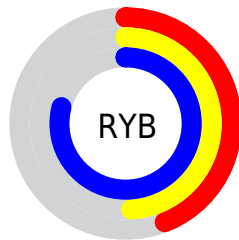
The XYZ color **24.9316, 22.6967, 58.9440** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45.5364, 50.1454, 22.9030**, and the grayscale version is **21.3817, 22.4952, 24.4973**.

A 20% lighter version of the original color is **50.1188, 47.3856, 101.1125**, and **9.6653, 8.3139, 28.6991** is the 20% darker color. If you saturate the color by 10%, you get **20.5974, 17.4657, 58.1632**, and if you desaturate by 10%, it is **30.2262, 28.9881, 59.8798**.

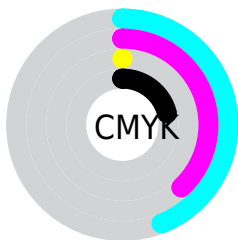
Distribution



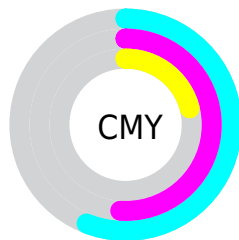
- Red (44%)
- Green (49%)
- Blue (79%)



- Red (44%)
- Yellow (49%)
- Blue (79%)



- Cyan (44%)
- Magenta (38%)
- Yellow (0%)
- Black (21%)



- Cyan (56%)
- Magenta (51%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9316, 22.6967, 58.9440 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 24.9316, 22.6967, 58.9440 by changing the saturation by 10% instead.

■ 24.9316, 22.6967,
58.9440

■ 24.9316, 22.6967,
58.9440

269.8511,
266.1633, 438.3905

■ 16.1546, 14.3697,
42.1483

■ 50.9899, 47.8948,
104.8246

■ 9.7251, 8.3783,
28.8910

■ 69.0019, 65.5348,
134.7466

■ 5.2780, 4.3379,
18.7535

■ 90.8230, 87.0478,
169.8811

■ 2.4477, 1.8643,
11.3173

116.8184,
112.8183, 210.6467

■ 0.8689, 0.5268,
6.1638

147.3536,
143.2308, 257.4619

■ 0.0000, 0.0000,
2.8746

182.7938,

■ 0.0000, 0.0000,

178.6695, 310.7452

1.0309

223.5045,
219.5189, 370.9152

■ 0.0000, 0.0000,
0.0000

■ 24.9316, 22.6967,
58.9440

■ 24.9316, 22.6967,
58.9440

■ 20.5974, 17.4657,
58.1632

■ 30.2262, 28.9881,
59.8798

■ 17.1627, 13.2337,
57.5274

■ 36.5320, 36.3919,
60.9765

■ 14.5635, 9.9365,
57.0279

■ 43.8993, 44.9596,
62.2419

■ 12.7260, 7.5012,
56.6547

■ 52.3742, 54.7386,
63.6828

■ 11.5629, 5.8435,
56.3960

■ 62.0000, 65.7738,
65.3054

■ 11.1125, 5.1678,
56.2894

■ 72.8178, 78.1078,
67.1160

■ 84.8667, 91.7809,
69.1201

■ 87.6608, 97.0443,
69.9888

Harmonies

Analogous

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



20.0304, 22.6967, 61.1884



24.9316, 22.6967, 58.9440



29.5048, 22.6967, 45.9083

Triad

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



24.9316, 22.6967, 58.9440



28.0694, 22.6967, 9.4156



13.6669, 22.6967, 20.4573

Complementary

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



24.9316, 22.6967, 58.9440



45.5364, 50.1454, 22.9030

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.



15.2070, 22.6967, 11.3132



24.9316, 22.6967, 58.9440



23.1919, 22.6967, 6.6980

Square

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



24.9316, 22.6967, 58.9440



31.4953, 22.6967, 16.6380



18.5296, 22.6967, 7.2315



13.9892, 22.6967, 35.0512

Rectangle

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



24.9316, 22.6967, 58.9440



31.5215, 22.6967, 34.8496



18.5296, 22.6967, 7.2315



13.9740, 22.6967, 16.7612

Sweetspot

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



24.9325, 22.6975, 58.9446



75.5131, 77.4955, 105.5859



37.0788, 49.4114, 55.5290



15.5234, 15.8464, 22.4904



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.9325, 22.6975, 58.9446



35.0930, 29.8385, 98.5175



28.0947, 22.0185, 58.6468



10.7318, 11.1040, 14.1480



7.1910, 3.4059, 36.2347



0.4145, 0.2628, 1.8838

Inverse Universe

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



34.0289, 25.8742, 22.9401



52.6418, 36.5382, 28.9303



40.8639, 52.0751, 23.5217



11.2780, 11.2399, 11.9984



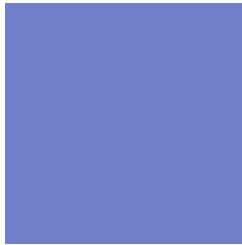
15.8406, 8.1468, 1.6131



0.8392, 0.4291, 0.1990

Previews

White Background



This preview shows how the XYZ color 24.9316, 22.6967, 58.9440 looks on a white background.

Color Contrast Check

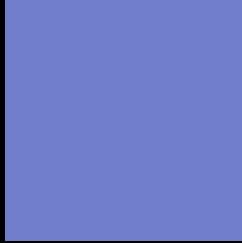
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9316, 22.6967, 58.9440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

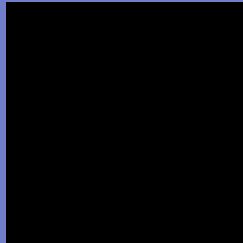
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9316, 22.6967, 58.9440

Background



This preview shows how black text looks on a background with the XYZ color 24.9316, 22.6967, 58.9440.



This preview shows how white text looks on a background with the XYZ color 24.9316, 22.6967,

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

24.9316, 22.6967, 58.9440

Protanopia

24.2118, 22.6815, 60.2286

Deuteranopia

23.3491, 22.6691, 58.4033



Tritanopia

19.3280, 22.6261, 31.3656

Trichromacy



Original Color

24.9316, 22.6967, 58.9440

Protanomaly

24.4323, 22.6163, 59.5776

Deuteranomaly

23.8724, 22.7423, 58.3898

Tritanomaly

21.0489, 22.4858, 40.2766

Monochromacy



Original Color

24.9316, 22.6967, 58.9440

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.2482, 22.4199, 35.0532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9316, 22.6967, 58.9440 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(113, 126, 202)` looks like.

```
.text, #text, p{  
    color:rgb(113, 126, 202)  
}
```

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(113, 126, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 126, 202) }
```

Border

The CSS property to change the border of an element to XYZ 24.9316, 22.6967, 58.9440 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(113, 126, 202) }
```


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

```
.border{ border-color:rgb(113, 126, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 126, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 126, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 126, 202);  
box-shadow:4px 4px 4px 4px rgb(113, 126,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9316, 22.6967, 58.9440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 126, 202) }
```

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

```
.background{ background-color: rgb(113,  
126, 202) }
```

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