

Converting Colors

XYZ(22.5424, 22.0708, 40.1178)

Have a look what the booklet for
XYZ(22.5424, 22.0708, 40.1178)
contains.

XYZ(22.5424, 22.0708, 40.1178)	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(22.5424, 22.0708,
40.1178)**

Conversions

Conversions Part 1

Format	Color
Hex	797FA8
RGB	121, 127, 168
RGB Percent	47%, 50%, 66%
CMY	0.5255, 0.5020, 0.3412
CMYK	0.28, 0.24, 0.00, 0.34
HSL	232°, 21%, 57%
HSV	232°, 28%, 66%
XYZ	22.5424, 22.0708, 40.1178
YIQ	129.8800, -16.7370, 11.4790

Conversions

Conversions Part 2

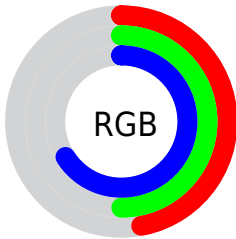
Format	Color
RYB	121, 126, 168
Decimal	7962536
CIELab	54.10, 7.33, -22.51
CIELCh	54, 23.679, 288.042
Yxy	22.0708, 0.2660, 0.2605
Android (android.graphics.Color)	4286152616 (0xFF797FA8)
YUV	129.8800, 18.7932, -7.7878
Hunter-Lab	46.9796, 3.4361, -17.7445

Details

The XYZ color **22.5424, 22.0708, 40.1178** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.5204, 35.5463, 23.2370**, and the grayscale version is **21.1162, 22.2159, 24.1931**.

A 20% lighter version of the original color is **47.0961, 46.9689, 76.3957**, and **8.4753, 8.0493, 17.6300** is the 20% darker color. If you saturate the color by 10%, you get **18.6329, 17.4475, 39.4318**, and if you desaturate by 10%, it is **27.1387, 27.4579, 40.9157**.

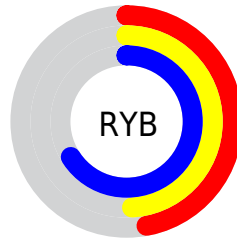
Distribution



Red (47%)

Green (50%)

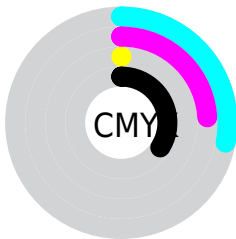
Blue (66%)



Red (47%)

Yellow (49%)

Blue (66%)

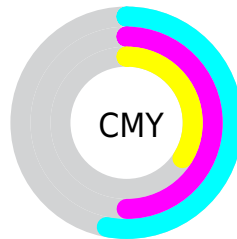


Cyan (28%)

Magenta (24%)

Yellow (0%)

Black (34%)



Cyan (53%)

Magenta (50%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5424, 22.0708, 40.1178 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 22.5424, 22.0708, 40.1178 by changing the saturation by 10% instead.

■ 22.5424, 22.0708,
40.1178

■ 22.5424, 22.0708,
40.1178

257.9453,
262.9158, 362.1867

■ 14.3748, 13.9089,
27.3159

■ 47.1131, 46.8630,
76.5819

■ 8.4653, 8.0574,
17.5761

■ 64.2468, 64.2621,
101.0812

■ 4.4484, 4.1317,
10.4798

■ 85.1001, 85.5091,
130.3168

■ 1.9588, 1.7475,
5.6085

110.0381,
110.9883, 164.7071

■ 0.6107, 0.4541,
2.5436

139.4263,
141.0842, 204.6707

■ 0.0000, 0.0000,
0.8631

173.6300,

■ 0.0000, 0.0000,

176.1812, 250.6261

0.0000

213.0145,
216.6635, 302.9919

■ 22.5424, 22.0708,
40.1178

■ 22.5424, 22.0708,
40.1178

■ 18.6329, 17.4475,
39.4318

■ 27.1387, 27.4579,
40.9157

■ 15.3750, 13.5507,
38.8514

■ 32.4504, 33.6386,
41.8288

■ 12.7335, 10.3439,
38.3716

■ 38.5073, 40.6442,
42.8618

■ 10.6689, 7.7865,
37.9868

■ 45.3366, 48.5037,
44.0188

■ 9.1374, 5.8335,
37.6906

■ 52.9644, 57.2445,
45.3040

■ 8.0884, 4.4337,
37.4757

■ 61.4154, 66.8929,
46.7209

■ 7.4458, 3.5197,
37.3331

■ 70.7132, 77.4741,
48.2732

■ 7.3444, 3.3801,
37.3115

■ 80.7323, 88.9358,
49.9575

■ 84.0680, 95.6072,
51.0694

Harmonies

Analogous

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



19.9723, 22.0708, 40.6662



22.5424, 22.0708, 40.1178



24.8629, 22.0708, 34.7654

Triad

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



22.5424, 22.0708, 40.1178



24.4507, 22.0708, 14.9841



16.5134, 22.0708, 21.2221

Complementary

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



22.5424, 22.0708, 40.1178



32.5204, 35.5463, 23.2370

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.



17.5198, 22.0708, 15.7711



22.5424, 22.0708, 40.1178



22.0161, 22.0708, 12.6929

Square

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



22.5424, 22.0708, 40.1178



26.0249, 22.0708, 19.9170



19.4870, 22.0708, 12.9481



16.6292, 22.0708, 28.6765

Rectangle

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



22.5424, 22.0708, 40.1178



25.8920, 22.0708, 29.7091



19.4870, 22.0708, 12.9481



16.7281, 22.0708, 19.1274

Sweetspot

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



22.5431, 22.0717, 40.1183



58.7087, 60.8366, 75.8734



28.3863, 34.6699, 39.2546



12.4720, 12.8838, 16.4816



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.



22.5431, 22.0717, 40.1183



36.0548, 34.3224, 71.9497



24.4258, 21.9258, 39.9909



7.2061, 7.4492, 9.4764



5.5683, 2.5967, 28.1832



0.1581, 0.1085, 0.6933

Inverse Universe

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



26.8172, 23.5326, 23.2083



45.2434, 37.6191, 35.5609



30.1736, 35.9432, 23.4373



7.5686, 7.5573, 8.0457



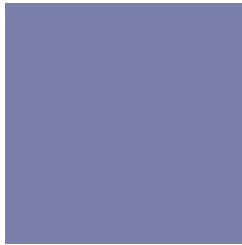
12.3112, 6.3332, 1.1844



0.3110, 0.1587, 0.0890

Previews

White Background



This preview shows how the XYZ color 22.5424, 22.0708, 40.1178 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 22.5424, 22.0708, 40.1178 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 22.5424, 22.0708, 40.1178

Background



This preview shows how black text looks on a background with the XYZ color 22.5424, 22.0708, 40.1178.



This preview shows how white text looks on a background with the XYZ color 22.5424, 22.0708,

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

22.5424, 22.0708, 40.1178

Protanopia

22.3518, 22.1545, 40.6343

Deuteranopia

22.5424, 22.0708, 40.1178



Tritanopia

20.3362, 22.1685, 28.7983

Trichromacy



Original Color

22.5424, 22.0708, 40.1178

Protanomaly

22.4884, 22.2249, 40.6407

Deuteranomaly

22.5424, 22.0708, 40.1178

Tritanomaly

21.0398, 22.0512, 32.4255

Monochromacy



Original Color

22.5424, 22.0708, 40.1178

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.6367, 22.2262, 29.5353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5424, 22.0708, 40.1178 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(121, 127, 168)` looks like.

```
.text, #text, p{  
    color:rgb(121, 127, 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(121, 127, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 127, 168) }
```

Border

The CSS property to change the border of an element to XYZ 22.5424, 22.0708, 40.1178 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(121, 127, 168) }
```


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

```
.border{ border-color:rgb(121, 127, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 127, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 127, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 127, 168);  
box-shadow:4px 4px 4px 4px rgb(121, 127,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5424, 22.0708, 40.1178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 127, 168) }
```

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

```
.background{ background-color: rgb(121,  
127, 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](#).

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