

Converting Colors

XYZ(22.8298, 22.0709, 38.8595)

Have a look what the booklet for
XYZ(22.8298, 22.0709, 38.8595)
contains.

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Color

**XYZ(22.7098, 21.9983,
38.6465)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7EA5
RGB	125, 126, 165
RGB Percent	49%, 49%, 65%
CMY	0.5098, 0.5059, 0.3529
CMYK	0.24, 0.24, 0.00, 0.35
HSL	238°, 18%, 57%
HSV	238°, 24%, 65%
XYZ	22.7098, 21.9983, 38.6465
YIQ	130.1470, -13.1150, 11.9170

Conversions

Conversions Part 2

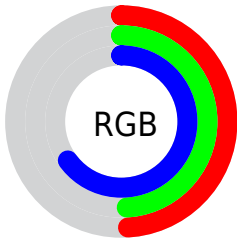
Format	Color
R_{YB}	125, 126, 165
Decimal	8224421
CIE Lab	54.03, 8.43, -20.87
CIE LCh	54, 22.510, 291.991
Yxy	21.9983, 0.2724, 0.2639
Android (android.graphics.Color)	4286414501 (0xFF7D7EA5)
YUV	130.1470, 17.1825, -4.5139
Hunter-Lab	46.9023, 4.3494, -16.0220

Details

The XYZ color **22.7098, 21.9983, 38.6465** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.4944, 36.0309, 24.6446**, and the grayscale version is **21.2151, 22.3199, 24.3064**.

A 20% lighter version of the original color is **47.3985, 46.8725, 74.2593**, and **8.5362, 7.9959, 16.7162** is the 20% darker color. If you saturate the color by 10%, you get **18.6040, 17.0700, 37.9120**, and if you desaturate by 10%, it is **27.5480, 27.7962, 39.5110**.

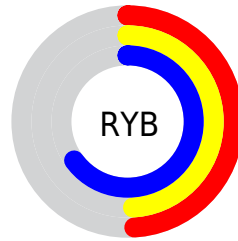
Distribution



Red (49%)

Green (49%)

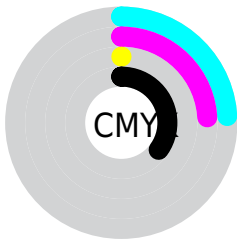
Blue (65%)



Red (49%)

Yellow (49%)

Blue (65%)

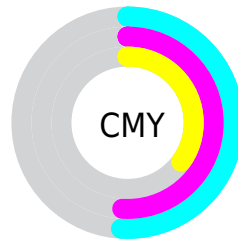


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (35%)



Cyan (51%)

Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7098, 21.9983, 38.6465 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 22.7098, 21.9983, 38.6465 by changing the saturation by 10% instead.

■ 22.7098, 21.9983,
38.6465

■ 22.7098, 21.9983,
38.6465

258.7942,
262.5374, 355.7662

■ 14.4989, 13.8556,
26.1791

■ 47.3866, 46.7432,
74.3124

■ 8.5525, 8.0203,
16.7307

■ 64.5831, 64.1142,
98.3479

■ 4.5052, 4.1080,
9.8828

■ 85.5056, 85.3302,
127.0766

■ 1.9917, 1.7341,
5.2167

110.5193,
110.7754, 160.9170

■ 0.6293, 0.4456,
2.3140

139.9897,
140.8344, 200.2876

■ 0.0000, 0.0000,
0.7391

174.2821,

■ 0.0000, 0.0000,

175.8914, 245.6070

0.0000

213.7618,
216.3310, 297.2937

■ 22.7098, 21.9983,
38.6465

■ 22.7098, 21.9983,
38.6465

■ 18.6040, 17.0700,
37.9120

■ 27.5480, 27.7962,
39.5110

■ 15.1929, 12.9670,
37.2998

■ 33.1496, 34.5001,
40.5097

■ 12.4387, 9.6449,
36.8038

■ 39.5463, 42.1473,
41.6486

■ 10.2992, 7.0543,
36.4165

■ 46.7676, 50.7725,
42.9329

■ 8.7273, 5.1399,
36.1298

■ 54.8412, 60.4083,
44.3672

■ 7.6689, 3.8387,
35.9345

■ 63.7937, 71.0863,
45.9564

■ 7.0595, 3.0760,
35.8193

■ 73.6506, 82.8361,
47.7049

■ 6.8364, 2.8063,
35.7791

■ 83.6958, 95.3049,
49.5822

■ 83.7916, 95.4966,
49.6141

Harmonies

Analogous

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



20.2637, 21.9983, 39.8193



22.7098, 21.9983, 38.6465



24.8154, 21.9983, 33.1858

Triad

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



22.7098, 21.9983, 38.6465



23.9237, 21.9983, 14.8712



16.6100, 21.9983, 22.1338

Complementary

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



22.7098, 21.9983, 38.6465



32.4944, 36.0309, 24.6446

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.



17.4352, 21.9983, 16.6134



22.7098, 21.9983, 38.6465



21.5673, 21.9983, 12.9843

Square

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



22.7098, 21.9983, 38.6465



25.5532, 21.9983, 19.2778



19.2055, 21.9983, 13.5536



16.8641, 21.9983, 29.3275

Rectangle

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



22.7098, 21.9983, 38.6465



25.6805, 21.9983, 28.3379



19.2055, 21.9983, 13.5536



16.7680, 21.9983, 20.0445

Sweetspot

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



22.7105, 21.9992, 38.6470



56.3285, 58.1505, 72.0077



28.5838, 33.9390, 40.0091



12.1916, 12.5657, 15.7204



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.7105, 21.9992, 38.6470



36.6232, 34.5401, 68.4890



25.5691, 23.2837, 38.7443



6.7140, 6.8870, 8.8785



5.1774, 2.1341, 27.0688



0.1128, 0.0529, 0.5701

Inverse Universe

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



26.6171, 24.1735, 23.0027



44.8341, 39.1304, 35.6035



29.0707, 34.5330, 24.5359



7.0806, 7.0887, 7.4110



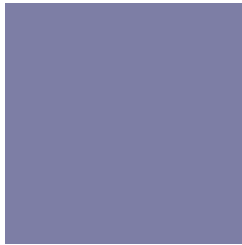
11.7588, 6.0596, 0.6543



0.2491, 0.1281, 0.0244

Previews

White Background



This preview shows how the XYZ color 22.7098, 21.9983, 38.6465 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 22.7098, 21.9983, 38.6465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

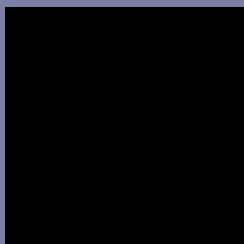
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7098, 21.9983, 38.6465

Background



This preview shows how black text looks on a background with the XYZ color 22.7098, 21.9983, 38.6465.



This preview shows how white text looks on a background with the XYZ color 22.7098, 21.9983,

38.6465.

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

22.7098, 21.9983, 38.6465

Protanopia

22.2099, 22.1135, 39.1741

Deuteranopia

22.5493, 22.1063, 38.6758



Tritanopia

20.5361, 21.8814, 28.3405

Trichromacy



Original Color

22.7098, 21.9983, 38.6465

Protanomaly

22.3575, 21.9969, 39.1438

Deuteranomaly

22.6931, 22.1804, 38.6825

Tritanomaly

21.3813, 22.0401, 31.9814

Monochromacy



Original Color

22.7098, 21.9983, 38.6465

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.7103, 22.2729, 29.1414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7098, 21.9983, 38.6465 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(125, 126, 165)` looks like.

```
.text, #text, p{  
    color:rgb(125, 126, 165)  
}
```

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(125, 126, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 126, 165) }
```

Border

The CSS property to change the border of an element to XYZ 22.7098, 21.9983, 38.6465 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(125, 126, 165) }
```


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

```
.border{ border-color:rgb(125, 126, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 126, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 126, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 126, 165);  
box-shadow:4px 4px 4px 4px rgb(125, 126,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7098, 21.9983, 38.6465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 126, 165) }
```

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

```
.background{ background-color: rgb(125,  
126, 165) }
```

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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