

Converting Colors

XYZ(22.7927, 21.0812, 39.0689)

Have a look what the booklet for
XYZ(22.7927, 21.0812, 39.0689)
contains.

XYZ(22.7736, 21.0950, 38.9478)	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(22.7736, 21.0950,
38.9478)**

Conversions

Conversions Part 1

Format	Color
Hex	8179A6
RGB	129, 121, 166
RGB Percent	51%, 47%, 65%
CMY	0.4941, 0.5255, 0.3490
CMYK	0.22, 0.27, 0.00, 0.35
HSL	251°, 20%, 56%
HSV	251°, 27%, 65%
XYZ	22.7736, 21.0950, 38.9478
YIQ	128.5220, -9.6770, 15.6910

Conversions

Conversions Part 2

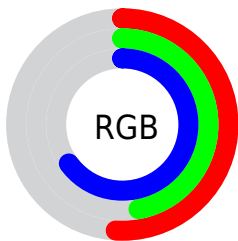
Format	Color
RYB	129, 121, 166
Decimal	8485286
CIELab	53.05, 12.91, -22.92
CIElCh	53, 26.301, 299.393
Yxy	21.0950, 0.2750, 0.2547
Android (android.graphics.Color)	4286675366 (0xFF8179A6)
YUV	128.5220, 18.4767, 0.4192
Hunter-Lab	45.9293, 8.1313, -18.1271

Details

The XYZ color **22.7736, 21.0950, 38.9478** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.1884, 35.9224, 23.3799**, and the grayscale version is **20.6399, 21.7148, 23.6474**.

A 20% lighter version of the original color is **47.2861, 45.0527, 74.6104**, and **8.5791, 7.5119, 16.9174** is the 20% darker color. If you saturate the color by 10%, you get **18.9907, 16.4039, 38.2421**, and if you desaturate by 10%, it is **27.1820, 26.6249, 39.7832**.

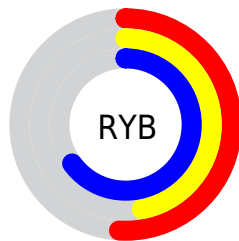
Distribution



Red (51%)

Green (47%)

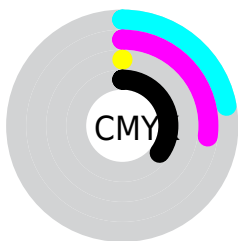
Blue (65%)



Red (51%)

Yellow (47%)

Blue (65%)

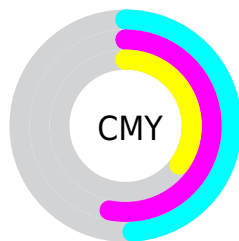


Cyan (22%)

Magenta (27%)

Yellow (0%)

Black (35%)



Cyan (49%)

Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7736, 21.0950, 38.9478 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 22.7736, 21.0950, 38.9478 by changing the saturation by 10% instead.

■ 22.7736, 21.0950,
38.9478

■ 22.7736, 21.0950,
38.9478

259.1171,
257.7829, 357.0878

■ 14.5462, 13.1935,
26.4116

■ 47.4907, 45.2456,
74.7780

■ 8.5858, 7.5619,
16.9033

■ 64.7111, 62.2634,
98.9091

■ 4.5269, 3.8159,
10.0043

■ 85.6599, 83.0888,
127.7423

■ 2.0043, 1.5711,
5.2962

110.7025,
108.1062, 161.6961

■ 0.6364, 0.3380,
2.3603

140.2041,
137.6999, 201.1890

■ 0.0000, 0.0000,
0.7647

174.5302,

■ 0.0000, 0.0000,

172.2543, 246.6395

0.0000

214.0461,
212.1538, 298.4663

■ 22.7736, 21.0950,
38.9478

■ 22.7736, 21.0950,
38.9478

■ 18.9907, 16.4039,
38.2421

■ 27.1820, 26.6249,
39.7832

■ 15.8026, 12.5078,
37.6581

■ 32.2405, 33.0292,
40.7527

■ 13.1789, 9.3629,
37.1893

■ 37.9752, 40.3449,
41.8625

■ 11.0859, 6.9200,
36.8281

■ 44.4098, 48.6057,
43.1179

■ 9.4858, 5.1240,
36.5658

■ 51.5671, 57.8439,
44.5238

■ 8.3360, 3.9114,
36.3923

■ 59.4687, 68.0900,
46.0851

■ 7.5772, 3.1884,
36.2928

■ 68.1354, 79.3735,
47.8062

■ 7.4043, 3.0219,
36.2698

■ 77.5870, 91.7224,
49.6916

■ 82.7306, 94.9391,
50.0414

Harmonies

Analogous

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



19.9939, 21.0950, 41.7999



22.7736, 21.0950, 38.9478



24.9815, 21.0950, 31.6234

Triad

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



22.7736, 21.0950, 38.9478



22.8799, 21.0950, 12.2006



15.1911, 21.0950, 22.8081

Complementary

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



22.7736, 21.0950, 38.9478



31.1884, 35.9224, 23.3799

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.



15.8146, 21.0950, 16.0577



22.7736, 21.0950, 38.9478



20.1065, 21.0950, 10.8624

Square

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



22.7736, 21.0950, 38.9478



25.0467, 21.0950, 16.2786



17.5530, 21.0950, 12.0952



15.7667, 21.0950, 31.2792

Rectangle

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



22.7736, 21.0950, 38.9478



25.7413, 21.0950, 25.8862



17.5530, 21.0950, 12.0952



15.2665, 21.0950, 20.2794

Sweetspot

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



22.7743, 21.0959, 38.9483



57.5005, 58.6579, 73.7668



27.0810, 31.4433, 40.7186



12.5535, 12.7279, 16.4472



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.



22.7743, 21.0959, 38.9483



36.7399, 32.5785, 69.8272



26.4834, 23.0080, 39.1219



7.2516, 7.3623, 9.4572



5.7709, 2.3585, 28.1266



0.1753, 0.0753, 0.6860

Inverse Universe

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



28.7353, 24.2510, 35.5144



49.6035, 39.3935, 62.1371



27.2413, 33.8876, 23.1951



7.7838, 7.6434, 9.1788



15.6831, 7.6820, 18.9407



0.3961, 0.1927, 0.5374

Previews

White Background



This preview shows how the XYZ color 22.7736, 21.0950, 38.9478 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 22.7736, 21.0950, 38.9478 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 22.7736, 21.0950, 38.9478

Background



This preview shows how black text looks on a background with the XYZ color 22.7736, 21.0950, 38.9478.



This preview shows how white text looks on a background with the XYZ color 22.7736, 21.0950,

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

22.7736, 21.0950, 38.9478

Protanopia

21.4345, 21.1092, 40.4809

Deuteranopia

21.5964, 21.2354, 38.5579



Tritanopia

20.4169, 21.2700, 26.6963

Trichromacy



Original Color

22.7736, 21.0950, 38.9478

Protanomaly

21.8833, 21.1644, 39.9776

Deuteranomaly

22.0252, 21.2695, 38.5419

Tritanomaly

21.2831, 21.2410, 30.9952

Monochromacy



Original Color

22.7736, 21.0950, 38.9478

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.3966, 21.5418, 28.6215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7736, 21.0950, 38.9478 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, 121, 166)` looks like.

```
.text, #text, p{  
    color:rgb(129, 121, 166)  
}
```

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, 121, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 121, 166) }
```

Border

The CSS property to change the border of an element to XYZ 22.7736, 21.0950, 38.9478 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, 121, 166) }
```


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

```
.border{ border-color:rgb(129, 121, 166) }
```

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

Here you see how a box with a 4 pixel rgb(129, 121, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 121, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 121, 166);  
box-shadow:4px 4px 4px 4px rgb(129, 121,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7736, 21.0950, 38.9478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 121, 166) }
```

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

```
.background{ background-color: rgb(129,  
121, 166) }
```

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