

Converting Colors

XYZ(22.6818, 21.6971, 41.6061)

Have a look what the booklet for
XYZ(22.6818, 21.6971, 41.6061)
contains.

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Color

**XYZ(22.7103, 21.7451,
41.5283)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7DAB
RGB	122, 125, 171
RGB Percent	48%, 49%, 67%
CMY	0.5216, 0.5098, 0.3294
CMYK	0.29, 0.27, 0.00, 0.33
HSL	236°, 23%, 57%
HSV	236°, 29%, 67%
XYZ	22.7103, 21.7451, 41.5283
YIQ	129.3470, -16.5540, 13.6700

Conversions

Conversions Part 2

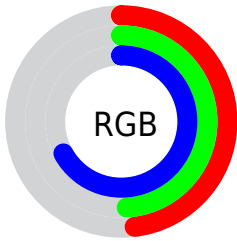
Format	Color
R _Y B	122, 125, 171
Decimal	8027563
CIE Lab	53.76, 9.59, -24.77
CIE LCh	54, 26.566, 291.170
Yxy	21.7451, 0.2641, 0.2529
Android (android.graphics.Color)	4286217643 (0xFF7A7DAB)
YUV	129.3470, 20.5349, -6.4433
Hunter-Lab	46.6316, 5.3268, -20.1592

Details

The XYZ color **22.7103, 21.7451, 41.5283** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.3103, 38.0683, 23.9525**, and the grayscale version is **20.9228, 22.0125, 23.9716**.

A 20% lighter version of the original color is **47.3271, 46.4457, 78.4220**, and **8.5867, 7.8785, 18.5209** is the 20% darker color. If you saturate the color by 10%, you get **18.6282, 16.8642, 40.8017**, and if you desaturate by 10%, it is **27.5483, 27.5042, 42.3853**.

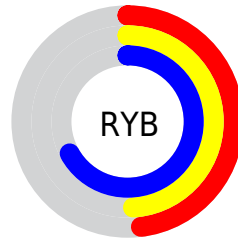
Distribution



Red (48%)

Green (49%)

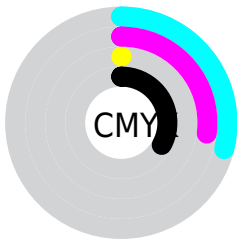
Blue (67%)



Red (48%)

Yellow (49%)

Blue (67%)

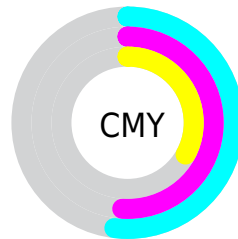


Cyan (29%)

Magenta (27%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7103, 21.7451, 41.5283 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 22.7103, 21.7451, 41.5283 by changing the saturation by 10% instead.

■ 22.7103, 21.7451,
41.5283

■ 22.7103, 21.7451,
41.5283

258.7967,
261.2122, 368.2656

■ 14.4993, 13.6697,
28.4093

■ 47.3874, 46.3243,
78.7476

■ 8.5527, 7.8913,
18.3927

■ 64.5841, 63.5970,
103.6850

■ 4.5054, 4.0255,
11.0599

■ 85.5068, 84.7042,
133.3989

■ 1.9918, 1.6878,
5.9925

110.5208,
110.0303, 168.3079

■ 0.6294, 0.4158,
2.7718

139.9914,
139.9598, 208.8306

■ 0.0000, 0.0000,
0.9793

174.2840,

■ 0.0000, 0.0000,

174.8770, 255.3854

0.0000

213.7640,
215.1664, 308.3909

■ 22.7103, 21.7451,
41.5283

■ 22.7103, 21.7451,
41.5283

■ 18.6282, 16.8642,
40.8017

■ 27.5483, 27.5042,
42.3853

■ 15.2618, 12.8160,
40.1978

■ 33.1755, 34.1790,
43.3771

■ 12.5705, 9.5547,
39.7101

■ 39.6257, 41.8080,
44.5097

■ 10.5084, 7.0289,
39.3313

■ 46.9302, 50.4266,
45.7882

■ 9.0244, 5.1814,
39.0529

■ 55.1186, 60.0685,
47.2177

■ 8.0589, 3.9462,
38.8654

■ 64.2191, 70.7657,
48.8029

■ 7.5188, 3.2337,
38.7563

■ 74.2587, 82.5490,
50.5481

■ 7.4645, 3.1677,
38.7464

■ 83.8503, 94.7195,
52.3917

■ 84.3507, 95.7203,
52.5585

Harmonies

Analogous

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



19.8384, 21.7451, 42.8108



22.7103, 21.7451, 41.5283



25.2363, 21.7451, 34.9399

Triad

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



22.7103, 21.7451, 41.5283



24.2969, 21.7451, 13.4368



15.7135, 21.7451, 21.3490

Complementary

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



22.7103, 21.7451, 41.5283



34.3103, 38.0683, 23.9525

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.



16.6873, 21.7451, 15.1386



22.7103, 21.7451, 41.5283



21.5205, 21.7451, 11.3107

Square

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



22.7103, 21.7451, 41.5283



26.2092, 21.7451, 18.4506



18.7521, 21.7451, 11.8526



15.9687, 21.7451, 29.8068

Rectangle

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



22.7103, 21.7451, 41.5283



26.2990, 21.7451, 29.1105



18.7521, 21.7451, 11.8526



15.9044, 21.7451, 18.9651

Sweetspot

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



22.7110, 21.7460, 41.5288



58.8714, 60.5683, 77.5899



29.6325, 36.0810, 42.3186



12.7919, 13.1081, 17.2436



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.7110, 21.7460, 41.5288



36.1669, 33.5619, 73.5738



25.6789, 22.7204, 41.5605



7.6168, 7.8330, 10.0632



5.6414, 2.4166, 29.2136



0.1694, 0.0922, 0.8168

Inverse Universe

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



27.4563, 24.0583, 22.5996



46.0114, 38.4294, 34.2880



30.6110, 36.9933, 23.9400



8.0244, 8.0230, 8.4393



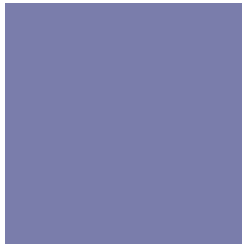
12.7111, 6.5470, 0.8583



0.3599, 0.1846, 0.0570

Previews

White Background



This preview shows how the XYZ color 22.7103, 21.7451, 41.5283 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 22.7103, 21.7451, 41.5283 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 22.7103, 21.7451, 41.5283

Background



This preview shows how black text looks on a background with the XYZ color 22.7103, 21.7451, 41.5283.



This preview shows how white text looks on a background with the XYZ color 22.7103, 21.7451,

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

22.7103, 21.7451, 41.5283

Protanopia

22.1060, 21.8021, 42.0728

Deuteranopia

22.1477, 21.6439, 41.5385



Tritanopia

20.1265, 21.8687, 28.3596

Trichromacy



Original Color

22.7103, 21.7451, 41.5283

Protanomaly

22.3785, 21.7518, 42.0488

Deuteranomaly

22.4193, 21.7839, 41.5512

Tritanomaly

20.9890, 21.8191, 32.8110

Monochromacy



Original Color

22.7103, 21.7451, 41.5283

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.3574, 21.8876, 29.4846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7103, 21.7451, 41.5283 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(122, 125, 171)` looks like.

```
.text, #text, p{  
    color:rgb(122, 125, 171)  
}
```

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(122, 125, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 125, 171) }
```

Border

The CSS property to change the border of an element to XYZ 22.7103, 21.7451, 41.5283 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(122, 125, 171) }
```


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

```
.border{ border-color:rgb(122, 125, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 125, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 125, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 125, 171);  
box-shadow:4px 4px 4px 4px rgb(122, 125,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7103, 21.7451, 41.5283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 125, 171) }
```

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

```
.background{ background-color: rgb(122,  
125, 171) }
```

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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