

Converting Colors

XYZ(21.7429, 22.0596, 37.9254)

Have a look what the booklet for
XYZ(21.7429, 22.0596, 37.9254)
contains.

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Color

**XYZ(21.7972, 22.1268,
37.7724)**

Conversions

Conversions Part 1

Format	Color
Hex	7581A3
RGB	117, 129, 163
RGB Percent	46%, 51%, 64%
CMY	0.5412, 0.4941, 0.3608
CMYK	0.28, 0.21, 0.00, 0.36
HSL	224°, 20%, 55%
HSV	224°, 28%, 64%
XYZ	21.7972, 22.1268, 37.7724
YIQ	129.2880, -18.0660, 8.0300

Conversions

Conversions Part 2

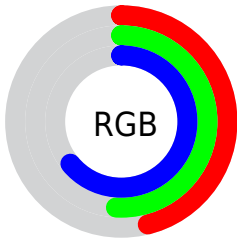
Format	Color
R_{YB}	117, 127, 163
Decimal	7700899
CIE _{Lab}	54.16, 3.63, -19.56
CIE _{LCh}	54, 19.896, 280.511
Yxy	22.1268, 0.2668, 0.2708
Android (android.graphics.Color)	4285890979 (0xFF7581A3)
YUV	129.2880, 16.6200, -10.7766
Hunter-Lab	47.0391, 0.3956, -14.6824

Details

The XYZ color **21.7972, 22.1268, 37.7724** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.3819, 31.2041, 21.3045**, and the grayscale version is **20.9158, 22.0051, 23.9635**.

A 20% lighter version of the original color is **45.9604, 47.0639, 72.9915**, and **8.0526, 8.0783, 16.1738** is the 20% darker color. If you saturate the color by 10%, you get **18.3005, 18.1061, 37.1810**, and if you desaturate by 10%, it is **25.8638, 26.7201, 38.4450**.

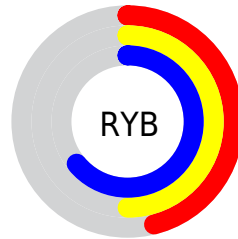
Distribution



Red (46%)

Green (51%)

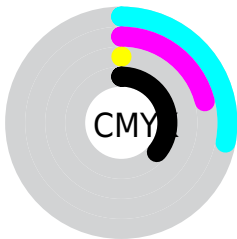
Blue (64%)



Red (46%)

Yellow (50%)

Blue (64%)

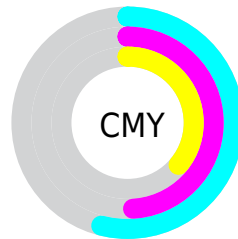


Cyan (28%)

Magenta (21%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (49%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7972, 22.1268, 37.7724 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 21.7972, 22.1268, 37.7724 by changing the saturation by 10% instead.

■ 21.7972, 22.1268,
37.7724

■ 21.7972, 22.1268,
37.7724

254.1377,
263.2077, 351.9115

■ 13.8237, 13.9501,
25.5056

■ 45.8919, 46.9555,
72.9587

■ 8.0790, 8.0860,
16.2317

■ 62.7439, 64.3763,
96.7153

■ 4.1978, 4.1500,
9.5321

■ 83.2861, 85.6472,
125.1390

■ 1.8146, 1.7578,
4.9884

107.8839,
111.1526, 158.6482

■ 0.5265, 0.4607,
2.1818

136.9025,
141.2770, 197.6615

■ 0.0000, 0.0000,
0.6638

170.7075,

■ 0.0000, 0.0000,

176.4047, 242.5974

0.0000

209.6641,
216.9202, 293.8746

■ 21.7972, 22.1268,
37.7724

■ 21.7972, 22.1268,
37.7724

■ 18.3005, 18.1061,
37.1810

■ 25.8638, 26.7201,
38.4450

■ 15.3454, 14.6322,
36.6662

■ 30.5227, 31.9051,
39.2003

■ 12.9041, 11.6813,
36.2253

■ 35.7976, 37.7034,
40.0415

■ 10.9455, 9.2264,
35.8547

■ 41.7102, 44.1344,
40.9711

■ 9.4350, 7.2381,
35.5505

■ 48.2814, 51.2169,
41.9919

■ 8.3327, 5.6834,
35.3085

■ 55.5308, 58.9687,
43.1060

■ 7.5731, 4.5149,
35.1230

■ 63.4774, 67.4072,
44.3160

■ 7.4577, 4.3380,
35.0950

■ 72.1393, 76.5488,
45.6240

■ 78.2595, 84.7215,
46.8789

Harmonies

Analogous

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



19.6762, 22.1268, 37.1262



21.7972, 22.1268, 37.7724



23.8441, 22.1268, 34.3074

Triad

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



21.7972, 22.1268, 37.7724



24.3471, 22.1268, 17.1659



17.3555, 22.1268, 20.3400

Complementary

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



21.7972, 22.1268, 37.7724



29.3819, 31.2041, 21.3045

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.



18.4481, 22.1268, 16.1375



21.7972, 22.1268, 37.7724



22.4463, 22.1268, 14.5336

Square

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



21.7972, 22.1268, 37.7724



25.3817, 22.1268, 21.9881



20.2827, 22.1268, 14.1925



17.2080, 22.1268, 26.3267

Rectangle

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



21.7972, 22.1268, 37.7724



24.8548, 22.1268, 30.4306



20.2827, 22.1268, 14.1925



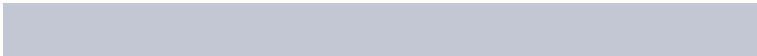
17.6208, 22.1268, 18.7016

Sweetspot

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



21.7979, 22.1277, 37.7729



54.7271, 57.2097, 70.2143



25.9980, 32.2024, 34.0106



12.0034, 12.5303, 15.7235



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.



21.7979, 22.1277, 37.7729



34.9086, 34.8965, 66.9519



21.8347, 19.9360, 37.3479



6.8438, 7.1465, 8.9218



5.8285, 3.4364, 27.2859



0.1585, 0.1443, 0.5853

Inverse Universe

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



25.4285, 22.0946, 23.6944



42.5948, 35.0951, 37.0865



29.3074, 34.1803, 21.8829



7.1461, 7.1149, 7.7558



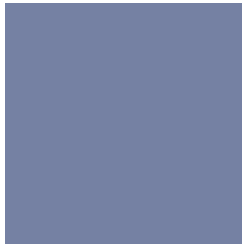
12.0874, 6.1910, 2.3851



0.2722, 0.1374, 0.1459

Previews

White Background



This preview shows how the XYZ color 21.7972, 22.1268, 37.7724 looks on a white background.

Color Contrast Check

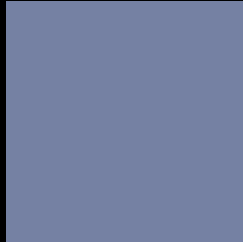
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7972, 22.1268, 37.7724 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

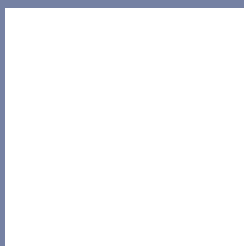
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7972, 22.1268, 37.7724

Background



This preview shows how black text looks on a background with the XYZ color 21.7972, 22.1268, 37.7724.

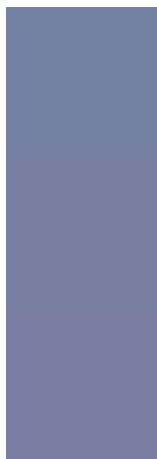


This preview shows how white text looks on a background with the XYZ color 21.7972, 22.1268,

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

21.7972, 22.1268, 37.7724

Protanopia

22.1259, 22.1119, 37.2843

Deuteranopia

22.5124, 22.1082, 37.7311



Tritanopia

20.1555, 22.2689, 29.2226

Trichromacy



Original Color

21.7972, 22.1268, 37.7724

Protanomaly

21.9865, 22.0400, 37.2778

Deuteranomaly

22.2152, 22.1476, 37.7544

Tritanomaly

20.6957, 22.2819, 32.0642

Monochromacy



Original Color

21.7972, 22.1268, 37.7724

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1154, 21.9836, 28.3297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7972, 22.1268, 37.7724 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(117, 129, 163)` looks like.

```
.text, #text, p{  
    color:rgb(117, 129, 163)  
}
```

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(117, 129, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 129, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.7972, 22.1268, 37.7724 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(117, 129, 163) }
```


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

```
.border{ border-color:rgb(117, 129, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 129, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 129, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 129, 163); box-shadow:4px 4px 4px 4px rgb(117, 129, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7972, 22.1268, 37.7724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 129, 163) }
```

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

```
.background{ background-color: rgb(117,  
129, 163) }
```

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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