

Converting Colors

XYZ(21.4809, 22.4491, 33.5594)

Have a look what the booklet for
XYZ(21.4809, 22.4491, 33.5594)
contains.

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Color

**XYZ(21.5568, 22.4876,
33.7762)**

Conversions

Conversions Part 1

Format	Color
Hex	77839A
RGB	119, 131, 154
RGB Percent	47%, 51%, 60%
CMY	0.5333, 0.4863, 0.3961
CMYK	0.23, 0.15, 0.00, 0.40
HSL	219°, 15%, 54%
HSV	219°, 23%, 60%
XYZ	21.5568, 22.4876, 33.7762
YIQ	130.0340, -14.5350, 4.6090

Conversions

Conversions Part 2

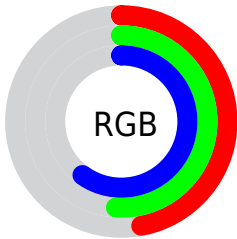
Format	Color
R _Y B	119, 128, 154
Decimal	7832474
CIE Lab	54.54, 0.87, -13.77
CIE LCh	55, 13.793, 273.597
Yxy	22.4876, 0.2770, 0.2890
Android (android.graphics.Color)	4286022554 (0xFF77839A)
YUV	130.0340, 11.8152, -9.6768
Hunter-Lab	47.4211, -1.8439, -9.0352

Details

The XYZ color **21.5568, 22.4876, 33.7762** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.3295, 27.5482, 21.3831**, and the grayscale version is **21.1939, 22.2976, 24.2821**.

A 20% lighter version of the original color is **45.5389, 47.6057, 66.4632**, and **7.9913, 8.3160, 14.0159** is the 20% darker color. If you saturate the color by 10%, you get **18.3188, 18.8987, 33.2545**, and if you desaturate by 10%, it is **25.2715, 26.5204, 34.3592**.

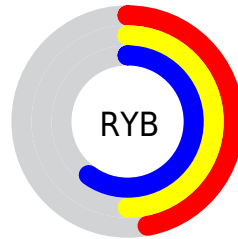
Distribution



Red (47%)

Green (51%)

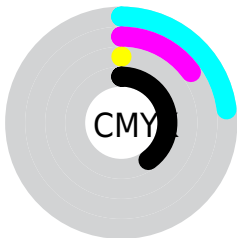
Blue (60%)



Red (47%)

Yellow (50%)

Blue (60%)

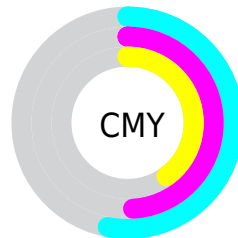


Cyan (23%)

Magenta (15%)

Yellow (0%)

Black (40%)



Cyan (53%)

Magenta (49%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5568, 22.4876, 33.7762 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 21.5568, 22.4876, 33.7762 by changing the saturation by 10% instead.

■ 21.5568, 22.4876,
33.7762

■ 21.5568, 22.4876,
33.7762

252.8991,
265.0822, 333.8716

■ 13.6464, 14.2156,
22.4458

■ 45.4967, 47.5506,
66.7154

■ 7.9552, 8.2708,
13.9834

■ 62.2569, 65.1104,
89.1612

■ 4.1178, 4.2687,
7.9705

■ 82.6978, 86.5349,
116.1493

■ 1.7690, 1.8250,
3.9886

107.1846,
112.2085, 148.0981

■ 0.4989, 0.5027,
1.6191

136.0828,
142.5157, 185.4262

■ 0.0000, 0.0000,
0.3044

169.7577,

■ 0.0000, 0.0000,

177.8407, 228.5521

0.0000

208.5747,
218.5681, 277.8944

■ 21.5568, 22.4876,
33.7762

■ 21.5568, 22.4876,
33.7762

■ 18.3188, 18.8987,
33.2545

■ 25.2715, 26.5204,
34.3592

■ 15.5351, 15.7350,
32.7906

■ 29.4797, 31.0096,
35.0039

■ 13.1846, 12.9802,
32.3827

■ 34.2001, 35.9705,
35.7126

■ 11.2437, 10.6159,
32.0287

■ 39.4497, 41.4168,
36.4872

■ 9.6861, 8.6221,
31.7259

■ 45.2447, 47.3618,
37.3293

■ 8.4823, 6.9768,
31.4718

■ 51.6006, 53.8182,
38.2405

■ 7.5980, 5.6547,
31.2632

■ 58.5322, 60.7980,
39.2224

■ 7.0970, 4.8615,
31.1365

■ 66.0538, 68.3131,
40.2765

■ 73.2152, 75.8779,
41.3592

Harmonies

Analogous

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



20.1062, 22.4876, 32.7306



21.5568, 22.4876, 33.7762



23.0242, 22.4876, 32.1005

Triad

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



21.5568, 22.4876, 33.7762



23.8895, 22.4876, 20.1586



18.8728, 22.4876, 20.9643

Complementary

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



21.5568, 22.4876, 33.7762



26.3295, 27.5482, 21.3831

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.



19.8042, 22.4876, 18.1809



21.5568, 22.4876, 33.7762



22.6936, 22.4876, 17.7557

Square

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



21.5568, 22.4876, 33.7762



24.4104, 22.4876, 23.9662



21.1918, 22.4876, 17.0764



18.6001, 22.4876, 25.0115

Rectangle

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



21.5568, 22.4876, 33.7762



23.8016, 22.4876, 29.7694



21.1918, 22.4876, 17.0764



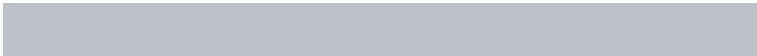
19.1170, 22.4876, 19.8664

Sweetspot

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



21.5575, 22.4885, 33.7767



50.0645, 52.6271, 63.0556



24.0276, 28.9791, 29.8205



11.2393, 11.8132, 14.2582



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.5575, 22.4885, 33.7767



36.2220, 37.6133, 60.8873



20.7785, 19.8312, 33.3048



6.0490, 6.3554, 7.8369



5.8127, 4.0221, 25.3777



0.1185, 0.1233, 0.3899

Inverse Universe

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



24.0206, 21.7030, 24.3967



41.5076, 36.1081, 40.7182



27.2347, 30.8096, 21.9649



6.2919, 6.2559, 6.9170



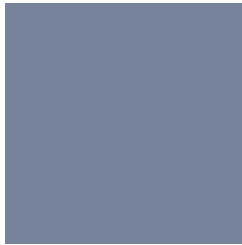
11.3927, 5.8113, 3.3272



0.1863, 0.0933, 0.1337

Previews

White Background



This preview shows how the XYZ color 21.5568, 22.4876, 33.7762 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 21.5568, 22.4876, 33.7762 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

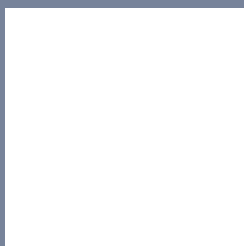
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5568, 22.4876, 33.7762

Background



This preview shows how black text looks on a background with the XYZ color 21.5568, 22.4876, 33.7762.



This preview shows how white text looks on a background with the XYZ color 21.5568, 22.4876,

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

21.5568, 22.4876, 33.7762

Protanopia

22.2042, 22.4360, 33.2973

Deuteranopia

22.8658, 22.3706, 34.1231



Tritanopia

20.6816, 22.5401, 29.2472

Trichromacy



Original Color

21.5568, 22.4876, 33.7762

Protanomaly

21.9008, 22.4761, 33.3210

Deuteranomaly

22.3880, 22.3169, 34.1380

Tritanomaly

20.9889, 22.4607, 30.8329

Monochromacy



Original Color

21.5568, 22.4876, 33.7762

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.2470, 22.2650, 27.6038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5568, 22.4876, 33.7762 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(119, 131, 154)` looks like.

```
.text, #text, p{  
    color:rgb(119, 131, 154)  
}
```

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(119, 131, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 131, 154) }
```

Border

The CSS property to change the border of an element to XYZ 21.5568, 22.4876, 33.7762 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(119, 131, 154) }
```


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

```
.border{ border-color:rgb(119, 131, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 131, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 131, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 131, 154);  
box-shadow:4px 4px 4px 4px rgb(119, 131,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5568, 22.4876, 33.7762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 131, 154) }
```

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

```
.background{ background-color: rgb(119,  
131, 154) }
```

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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