

Converting Colors

XYZ(21.6889, 22.8225, 30.8703)

Have a look what the booklet for
XYZ(21.6889, 22.8225, 30.8703)
contains.

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Color

**XYZ(21.6861, 22.8201,
30.8655)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8493
RGB	123, 132, 147
RGB Percent	48%, 52%, 58%
CMY	0.5176, 0.4823, 0.4235
CMYK	0.16, 0.10, 0.00, 0.42
HSL	217°, 10%, 53%
HSV	217°, 16%, 58%
XYZ	21.6861, 22.8201, 30.8655
YIQ	131.0190, -10.1790, 2.7570

Conversions

Conversions Part 2

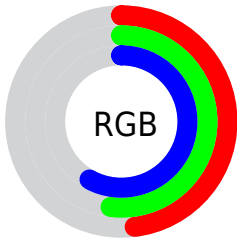
Format	Color
R_{YB}	123, 130, 147
Decimal	8094867
CIE _{Lab}	54.89, -0.02, -9.16
CIE _{LCh}	55, 9.163, 269.891
Yxy	22.8201, 0.2877, 0.3028
Android (android.graphics.Color)	4286284947 (0xFF7B8493)
YUV	131.0190, 7.8786, -7.0327
Hunter-Lab	47.7704, -2.5654, -4.8693

Details

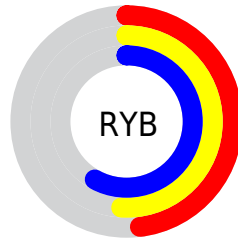
The XYZ color **21.6861, 22.8201, 30.8655** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.6964, 25.8099, 22.4195**, and the grayscale version is **21.5561, 22.6787, 24.6971**.

A 20% lighter version of the original color is **45.7961, 48.1451, 62.1376**, and **8.0286, 8.4869, 12.2813** is the 20% darker color. If you saturate the color by 10%, you get **18.5478, 19.4342, 30.3777**, and if you desaturate by 10%, it is **25.2513, 26.5901, 31.4056**.

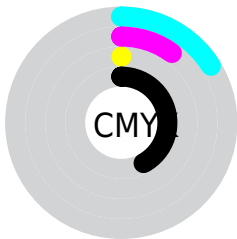
Distribution



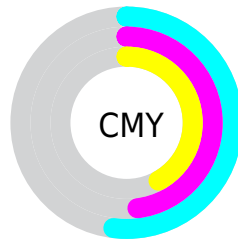
- Red (48%)
- Green (52%)
- Blue (58%)



- Red (48%)
- Yellow (51%)
- Blue (58%)



- Cyan (16%)
- Magenta (10%)
- Yellow (0%)
- Black (42%)



- Cyan (52%)
- Magenta (48%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6861, 22.8201, 30.8655 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 21.6861, 22.8201, 30.8655 by changing the saturation by 10% instead.

■ 21.6861, 22.8201,
30.8655

■ 21.6861, 22.8201,
30.8655

253.5659,
266.7996, 320.2502

■ 13.7417, 14.4607,
20.2388

■ 45.7094, 48.0978,
62.1053

■ 8.0218, 8.4418,
12.3830

■ 62.5190, 65.7848,
83.5556

■ 4.1608, 4.3789,
6.8794

■ 83.0144, 87.3499,
109.4508

■ 1.7935, 1.8877,
3.3095

107.5610,
113.1775, 140.2096

■ 0.5138, 0.5410,
1.2547

136.5240,
143.6518, 176.2503

■ 0.0000, 0.0000,
0.0243

170.2690,

■ 0.0000, 0.0000,

179.1574, 217.9916

0.0000

209.1612,
220.0785, 265.8521

■ 21.6861, 22.8201,
30.8655

■ 21.6861, 22.8201,
30.8655

■ 18.5478, 19.4342,
30.3777

■ 25.2513, 26.5901,
31.4056

■ 15.8175, 16.4167,
29.9392

■ 29.2571, 30.7536,
31.9982

■ 13.4779, 13.7549,
29.5487

■ 33.7194, 35.3232,
32.6450

■ 11.5095, 11.4343,
29.2046

■ 38.6523, 40.3100,
33.3475

■ 9.8909, 9.4391,
28.9047

■ 44.0696, 45.7246,
34.1071

■ 8.5988, 7.7522,
28.6472

■ 49.9844, 51.5774,
34.9251

■ 7.6060, 6.3543,
28.4297

■ 56.4091, 57.8782,
35.8027

■ 6.8732, 5.2195,
28.2493

■ 63.3561, 64.6367,
36.7410

■ 6.6393, 4.8521,
28.1907

■ 70.7256, 71.8047,
37.7362

Harmonies

Analogous

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



20.7255, 22.8201, 30.0023



21.6861, 22.8201, 30.8655



22.6769, 22.8201, 30.0144

Triad

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



21.6861, 22.8201, 30.8655



23.4261, 22.8201, 22.1648



20.0451, 22.8201, 22.1477

Complementary

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



21.6861, 22.8201, 30.8655



24.6964, 25.8099, 22.4195

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.



20.7318, 22.8201, 20.3100



21.6861, 22.8201, 30.8655



22.6836, 22.8201, 20.3193

Square

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



21.6861, 22.8201, 30.8655



23.7004, 22.8201, 24.8579



21.6935, 22.8201, 19.6670



19.7963, 22.8201, 24.8366

Rectangle

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



21.6861, 22.8201, 30.8655



23.2168, 22.8201, 28.6245



21.6935, 22.8201, 19.6670



20.2313, 22.8201, 21.4178

Sweetspot

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



21.6868, 22.8210, 30.8660



46.0556, 48.4925, 56.3672



23.1755, 26.9080, 27.9416



10.4137, 10.9653, 12.8525



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.6868, 22.8210, 30.8660



36.4507, 38.3096, 54.9079



20.9246, 20.6934, 30.4955



5.6671, 5.9682, 7.3230



5.7781, 4.2511, 24.4470



0.0974, 0.1054, 0.3081

Inverse Universe

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



23.2810, 22.0354, 24.8571



39.9472, 36.6941, 41.7048



25.5458, 28.2452, 22.8448



5.8854, 5.8492, 6.5027



11.0436, 5.6225, 3.7107



0.1486, 0.0742, 0.1164

Previews

White Background



This preview shows how the XYZ color 21.6861, 22.8201, 30.8655 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 21.6861, 22.8201, 30.8655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

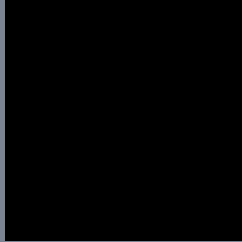
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

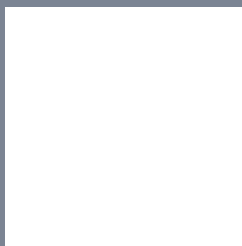
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6861, 22.8201, 30.8655

Background



This preview shows how black text looks on a background with the XYZ color 21.6861, 22.8201, 30.8655.



This preview shows how white text looks on a background with the XYZ color 21.6861, 22.8201,

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

21.6861, 22.8201, 30.8655

Protanopia

22.2242, 22.7077, 30.4058

Deuteranopia

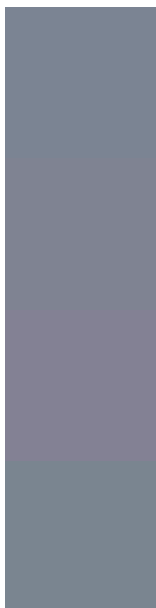
23.2178, 22.8107, 31.1962



Tritanopia

21.3715, 22.8958, 29.2795

Trichromacy



Original Color

21.6861, 22.8201, 30.8655

Protanomaly

22.0570, 22.8199, 30.4363

Deuteranomaly

22.5556, 22.6639, 31.2027

Tritanomaly

21.4476, 22.9262, 29.6804

Monochromacy



Original Color

21.6861, 22.8201, 30.8655

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5337, 22.6279, 26.8996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6861, 22.8201, 30.8655 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(123, 132, 147)` looks like.

```
.text, #text, p{  
    color:rgb(123, 132, 147)  
}
```

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(123, 132, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 132, 147) }
```

Border

The CSS property to change the border of an element to XYZ 21.6861, 22.8201, 30.8655 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(123, 132, 147) }
```


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

```
.border{ border-color:rgb(123, 132, 147) }
```

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

Here you see how a box with a 4 pixel rgb(123, 132, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 132, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 132, 147);  
box-shadow:4px 4px 4px 4px rgb(123, 132,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6861, 22.8201, 30.8655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 132, 147) }
```

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

```
.background{ background-color: rgb(123,  
132, 147) }
```

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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