

Converting Colors

XYZ(21.9251, 24.7049, 29.9985)

Have a look what the booklet for
XYZ(21.9251, 24.7049, 29.9985)
contains.

XYZ(21.8833, 24.6213, 29.9846)	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(21.8833, 24.6213,
29.9846)**

Conversions

Conversions Part 1

Format	Color
Hex	768C90
RGB	118, 140, 144
RGB Percent	46%, 55%, 56%
CMY	0.5372, 0.4510, 0.4353
CMYK	0.18, 0.03, 0.00, 0.44
HSL	189°, 10%, 51%
HSV	189°, 18%, 56%
XYZ	21.8833, 24.6213, 29.9846
YIQ	133.8780, -14.3960, -3.4200

Conversions

Conversions Part 2

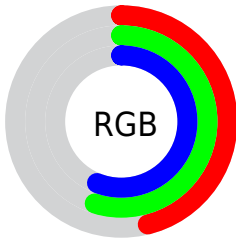
Format	Color
R_{YB}	118, 130, 144
Decimal	7769232
CIE _{Lab}	56.70, -6.93, -4.77
CIE _{LCh}	57, 8.412, 214.521
Yxy	24.6213, 0.2861, 0.3219
Android (android.graphics.Color)	4285959312 (0xFF768C90)
YUV	133.8780, 4.9901, -13.9250
Hunter-Lab	49.6199, -8.1129, -1.0942

Details

The XYZ color **21.8833, 24.6213, 29.9846** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.7313, 21.1563, 20.0781**, and the grayscale version is **22.6018, 23.7788, 25.8951**.

A 20% lighter version of the original color is **46.0624, 51.2068, 60.8822**, and **8.1308, 9.3857, 11.9728** is the 20% darker color. If you saturate the color by 10%, you get **19.7550, 23.0492, 29.7937**, and if you desaturate by 10%, it is **24.3181, 26.3623, 30.1927**.

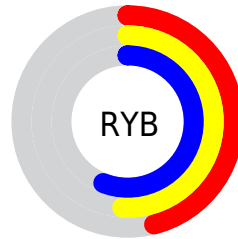
Distribution



Red (46%)

Green (55%)

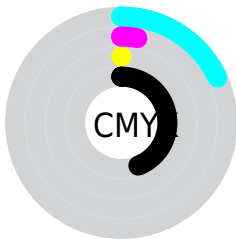
Blue (56%)



Red (46%)

Yellow (51%)

Blue (56%)

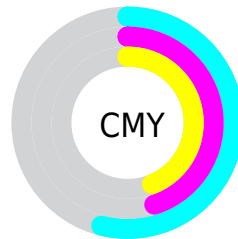


Cyan (18%)

Magenta (3%)

Yellow (0%)

Black (44%)



Cyan (54%)

Magenta (45%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8833, 24.6213, 29.9846 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 21.8833, 24.6213, 29.9846 by changing the saturation by 10% instead.

■ 21.8833, 24.6213,
29.9846

■ 21.8833, 24.6213,
29.9846

254.5801,
275.9467, 316.0377

■ 13.8873, 15.7951,
19.5749

■ 46.0333, 51.0422,
60.6985

■ 8.1235, 9.3793,
11.9054

■ 62.9181, 69.4057,
81.8399

■ 4.2265, 4.9894,
6.5576

■ 83.4964, 91.7171,
107.3956

■ 1.8311, 2.2410,
3.1128

108.1338,
118.3609, 137.7841

■ 0.5363, 0.7422,
1.1525

137.1955,
149.7213, 173.4241

■ 0.0000, 0.0000,
0.0000

171.0468,

186.1828, 214.7340

210.0532,
228.1298, 262.1323

■ 21.8833, 24.6213,
29.9846

■ 21.8833, 24.6213,
29.9846

■ 19.7550, 23.0492,
29.7937

■ 24.3181, 26.3623,
30.1927

■ 17.9176, 21.6361,
29.6178

■ 27.0699, 28.2759,
30.4170

■ 16.3571, 20.3752,
29.4567

■ 30.1515, 30.3692,
30.6587

■ 15.0578, 19.2585,
29.3096

■ 33.5741, 32.6482,
30.9182

■ 14.0020, 18.2769,
29.1758

■ 37.3484, 35.1183,
31.1960

■ 13.1703, 17.4200,
29.0542

■ 41.4849, 37.7851,
31.4928

■ 12.5397, 16.6762,
28.9439

■ 45.9933, 40.6537,
31.8088

■ 12.0641, 16.0216,
28.8426

■ 50.8832, 43.7289,
32.1447

■ 11.9761, 15.8977,
28.8233

■ 56.1637, 47.0156,
32.5008

Harmonies

Analogous

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



21.5731, 24.6213, 27.2361



21.8833, 24.6213, 29.9846



22.6005, 24.6213, 31.9814

Triad

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



21.8833, 24.6213, 29.9846



25.1445, 24.6213, 29.1976



23.2536, 24.6213, 21.7803

Complementary

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



21.8833, 24.6213, 29.9846



21.7313, 21.1563, 20.0781

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.



24.2218, 24.6213, 22.2257



21.8833, 24.6213, 29.9846



25.3311, 24.6213, 26.3852

Square

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



21.8833, 24.6213, 29.9846



24.4860, 24.6213, 31.5053



24.9890, 24.6213, 23.8648



22.3501, 24.6213, 22.6032

Rectangle

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



21.8833, 24.6213, 29.9846



23.2223, 24.6213, 32.5474



24.9890, 24.6213, 23.8648



23.5822, 24.6213, 21.7871

Sweetspot

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



21.8840, 24.6223, 29.9852



44.2647, 47.4605, 53.3658



20.9515, 25.2012, 22.1403



10.0827, 10.8361, 12.2324



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.8840, 24.6223, 29.9852



36.8822, 42.1722, 52.7342



20.1080, 21.0702, 29.3931



5.4906, 5.9770, 6.8931



10.4426, 13.8712, 25.1041



0.1122, 0.1573, 0.2441

Inverse Universe

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



22.7142, 20.7801, 27.6259



38.6649, 34.0582, 47.6373



23.4221, 24.5378, 20.6417



5.5911, 5.4970, 6.6108



13.0740, 6.3866, 16.5731



0.1312, 0.0636, 0.1912

Previews

White Background



This preview shows how the XYZ color 21.8833, 24.6213, 29.9846 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 21.8833, 24.6213, 29.9846 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

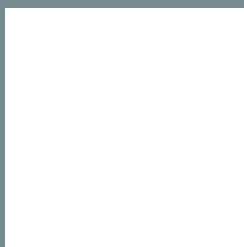
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8833, 24.6213, 29.9846

Background



This preview shows how black text looks on a background with the XYZ color 21.8833, 24.6213, 29.9846.



This preview shows how white text looks on a background with the XYZ color 21.8833, 24.6213,

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

21.8833, 24.6213, 29.9846

Protanopia

23.7882, 24.5694, 28.6879

Deuteranopia

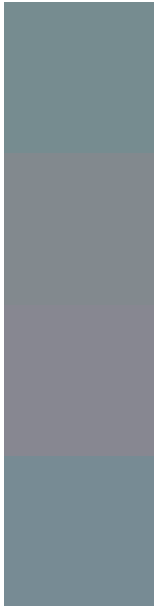
24.9412, 24.5071, 30.6099



Tritanopia

22.3454, 24.5892, 32.4226

Trichromacy



Original Color

21.8833, 24.6213, 29.9846

Protanomaly

23.0341, 24.5901, 29.1235

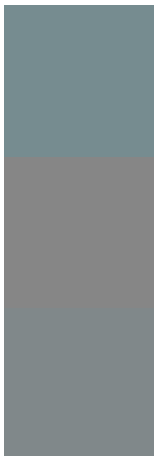
Deuteranomaly

23.7665, 24.5232, 30.2689

Tritanomaly

22.1857, 24.5253, 31.5815

Monochromacy



Original Color

21.8833, 24.6213, 29.9846

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.2937, 24.0325, 27.5085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8833, 24.6213, 29.9846 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(118, 140, 144)` looks like.

```
.text, #text, p{  
    color:rgb(118, 140, 144)  
}
```

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(118, 140, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 140, 144) }
```

Border

The CSS property to change the border of an element to XYZ 21.8833, 24.6213, 29.9846 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(118, 140, 144) }
```


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

```
.border{ border-color:rgb(118, 140, 144) }
```

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

Here you see how a box with a 4 pixel rgb(118, 140, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 140, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 140, 144);  
box-shadow:4px 4px 4px 4px rgb(118, 140,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8833, 24.6213, 29.9846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 140, 144) }
```

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

```
.background{ background-color: rgb(118,  
140, 144) }
```

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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