

Converting Colors

XYZ(21.8623, 24.3358, 28.3523)

Have a look what the booklet for
XYZ(21.8623, 24.3358, 28.3523)
contains.

XYZ(21.9923, 24.4963, 28.3801)	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(21.9923, 24.4963,
28.3801)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8B8C
RGB	122, 139, 140
RGB Percent	48%, 55%, 55%
CMY	0.5216, 0.4549, 0.4510
CMYK	0.13, 0.01, 0.00, 0.45
HSL	183°, 7%, 51%
HSV	183°, 13%, 55%
XYZ	21.9923, 24.4963, 28.3801
YIQ	134.0310, -10.4530, -3.2930

Conversions

Conversions Part 2

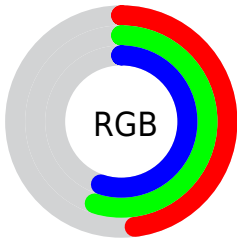
Format	Color
R_{YB}	122, 131, 140
Decimal	8031116
CIE _{Lab}	56.58, -5.89, -2.62
CIE _{LCh}	57, 6.446, 203.942
Yxy	24.4963, 0.2937, 0.3272
Android (android.graphics.Color)	4286221196 (0xFF7A8B8C)
YUV	134.0310, 2.9427, -10.5512
Hunter-Lab	49.4937, -7.2984, 0.6483

Details

The XYZ color **21.9923, 24.4963, 28.3801** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.4112, 21.1464, 21.3659**, and the grayscale version is **22.6642, 23.8446, 25.9667**.

A 20% lighter version of the original color is **46.1545, 50.6635, 57.7985**, and **8.1655, 9.2994, 11.0375** is the 20% darker color. If you saturate the color by 10%, you get **20.0393, 23.3239, 28.2571**, and if you desaturate by 10%, it is **24.2331, 25.8196, 28.5178**.

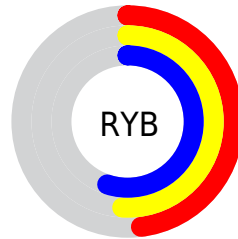
Distribution



Red (48%)

Green (55%)

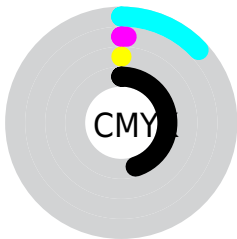
Blue (55%)



Red (48%)

Yellow (51%)

Blue (55%)

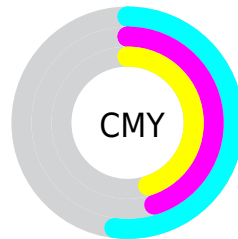


Cyan (13%)

Magenta (1%)

Yellow (0%)

Black (45%)



Cyan (52%)

Magenta (45%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9923, 24.4963, 28.3801 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 21.9923, 24.4963, 28.3801 by changing the saturation by 10% instead.

■ 21.9923, 24.4963,
28.3801

■ 21.9923, 24.4963,
28.3801

255.1392,
275.3201, 308.2476

■ 13.9678, 15.7022,
18.3708

■ 46.2122, 50.8389,
58.1211

■ 8.1798, 9.3137,
11.0444

■ 63.1384, 69.1561,
78.6899

■ 4.2630, 4.9463,
5.9821

■ 83.7624, 91.4166,
103.6157

■ 1.8520, 2.2158,
2.7656

108.4498,
118.0046, 133.3170

■ 0.5487, 0.7286,
0.9762

137.5658,
149.3045, 168.2123

■ 0.0000, 0.0000,
0.0000

171.4758,

185.7008, 208.7201

210.5451,
227.5779, 255.2590

■ 21.9923, 24.4963,
28.3801

■ 21.9923, 24.4963,
28.3801

■ 20.0393, 23.3239,
28.2571

■ 24.2331, 25.8196,
28.5178

■ 18.3598, 22.2931,
28.1467

■ 26.7711, 27.2966,
28.6691

■ 16.9416, 21.3980,
28.0487

■ 29.6177, 28.9338,
28.8351

■ 15.7704, 20.6316,
27.9625

■ 32.7832, 30.7367,
29.0163

■ 14.8310, 19.9858,
27.8873

■ 36.2774, 32.7102,
29.2130

■ 14.1061, 19.4518,
27.8224

■ 40.1096, 34.8592,
29.4258

■ 13.5763, 19.0194,
27.7669

■ 44.2889, 37.1882,
29.6551

■ 13.2183, 18.6769,
27.7197

■ 48.8239, 39.7019,
29.9013

■ 13.0176, 18.4612,
27.6886

■ 53.7229, 42.4044,
30.1647

Harmonies

Analogous

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



21.8810, 24.4963, 26.2397



21.9923, 24.4963, 28.3801



22.4461, 24.4963, 30.1450

Triad

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



21.9923, 24.4963, 28.3801



24.4659, 24.4963, 29.1726



23.4352, 24.4963, 22.7801

Complementary

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



21.9923, 24.4963, 28.3801



21.4112, 21.1464, 21.3659

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.



24.1404, 24.4963, 23.4771



21.9923, 24.4963, 28.3801



24.7436, 24.4963, 27.1096

Square

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



21.9923, 24.4963, 28.3801



23.8719, 24.4963, 30.6194



24.6232, 24.4963, 25.0344



22.7038, 24.4963, 23.0799

Rectangle

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



21.9923, 24.4963, 28.3801



22.8872, 24.4963, 30.8324



24.6232, 24.4963, 25.0344



23.6834, 24.4963, 22.9044

Sweetspot

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



21.9930, 24.4973, 28.3806



42.2109, 45.2199, 50.2465



20.9734, 24.3217, 22.2956



9.6610, 10.3814, 11.5740



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.9930, 24.4973, 28.3806



37.8811, 42.6566, 49.9800



20.7560, 22.0233, 27.9683



5.1495, 5.6419, 6.4234



11.5713, 16.4129, 24.6038



0.0802, 0.1158, 0.1646

Inverse Universe

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



22.4355, 21.3591, 27.3676



38.7975, 36.1823, 47.8762



22.5662, 23.4564, 21.7509



5.2221, 5.1243, 6.2579



13.3275, 6.4411, 20.0265



0.0902, 0.0435, 0.1420

Previews

White Background



This preview shows how the XYZ color 21.9923, 24.4963, 28.3801 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 21.9923, 24.4963, 28.3801 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

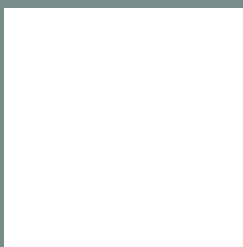
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9923, 24.4963, 28.3801

Background



This preview shows how black text looks on a background with the XYZ color 21.9923, 24.4963, 28.3801.



This preview shows how white text looks on a background with the XYZ color 21.9923, 24.4963,

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

21.9923, 24.4963, 28.3801

Protanopia

23.5679, 24.4813, 27.5280

Deuteranopia

24.8528, 24.2966, 28.9710



Tritanopia

22.8255, 24.6320, 31.9852

Trichromacy



Original Color

21.9923, 24.4963, 28.3801

Protanomaly

22.9801, 24.3779, 27.9203

Deuteranomaly

23.6493, 24.2916, 28.6416

Tritanomaly

22.4452, 24.4632, 30.7330

Monochromacy



Original Color

21.9923, 24.4963, 28.3801

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4540, 24.1317, 26.7670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9923, 24.4963, 28.3801 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, 139, 140)` looks like.

```
.text, #text, p{  
    color:rgb(122, 139, 140)  
}
```

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, 139, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 139, 140) }
```

Border

The CSS property to change the border of an element to XYZ 21.9923, 24.4963, 28.3801 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, 139, 140) }
```


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

```
.border{ border-color:rgb(122, 139, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 139, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 139, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 139, 140);  
box-shadow:4px 4px 4px 4px rgb(122, 139,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9923, 24.4963, 28.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 139, 140) }
```

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

```
.background{ background-color: rgb(122,  
139, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor