

Converting Colors

XYZ(21.9103, 23.0861, 31.3650)

Have a look what the booklet for
XYZ(21.9103, 23.0861, 31.3650)
contains.

XYZ(21.9012, 23.1241, 31.3261)	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(21.9012, 23.1241,
31.3261)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8594
RGB	123, 133, 148
RGB Percent	48%, 52%, 58%
CMY	0.5176, 0.4784, 0.4196
CMYK	0.17, 0.10, 0.00, 0.42
HSL	216°, 10%, 53%
HSV	216°, 17%, 58%
XYZ	21.9012, 23.1241, 31.3261
YIQ	131.7200, -10.7750, 2.5450

Conversions

Conversions Part 2

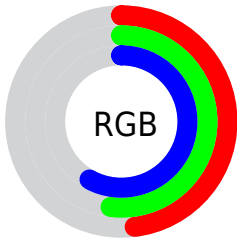
Format	Color
R_{YB}	123, 130, 148
Decimal	8095124
CIE Lab	55.20, -0.36, -9.27
CIE LCh	55, 9.280, 267.768
Yxy	23.1241, 0.2868, 0.3029
Android (android.graphics.Color)	4286285204 (0xFF7B8594)
YUV	131.7200, 8.0260, -7.6474
Hunter-Lab	48.0875, -2.8563, -4.9626

Details

The XYZ color **21.9012, 23.1241, 31.3261** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.8766, 25.9030, 22.4280**, and the grayscale version is **21.8067, 22.9423, 24.9842**.

A 20% lighter version of the original color is **46.1241, 48.6122, 62.8292**, and **8.1520, 8.6596, 12.5511** is the 20% darker color. If you saturate the color by 10%, you get **18.7774, 19.7853, 30.8467**, and if you desaturate by 10%, it is **25.4493, 26.8354, 31.8558**.

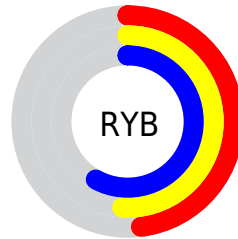
Distribution



Red (48%)

Green (52%)

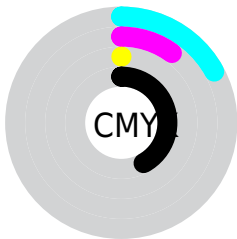
Blue (58%)



Red (48%)

Yellow (51%)

Blue (58%)

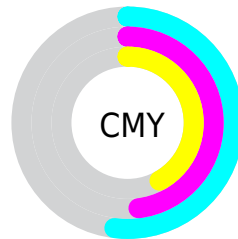


Cyan (17%)

Magenta (10%)

Yellow (0%)

Black (42%)



Cyan (52%)

Magenta (48%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9012, 23.1241, 31.3261 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 21.9012, 23.1241, 31.3261 by changing the saturation by 10% instead.

■ 21.9012, 23.1241,
31.3261

■ 21.9012, 23.1241,
31.3261

254.6720,
268.3618, 322.4355

■ 13.9005, 14.6852,
20.5867

■ 46.0627, 48.5970,
62.8387

■ 8.1327, 8.5987,
12.6340

■ 62.9543, 66.3998,
84.4490

■ 4.2325, 4.4804,
7.0492

■ 83.5401, 88.0926,
110.5201

■ 1.8345, 1.9458,
3.4140

108.1857,
114.0600, 141.4705

■ 0.5383, 0.5757,
1.3097

137.2563,
144.6861, 177.7186

■ 0.0000, 0.0000,
0.0697

171.1173,

■ 0.0000, 0.0000,

180.3556, 219.6832

0.0000

210.1341,
221.4526, 267.7826

■ 21.9012, 23.1241,
31.3261

■ 21.9012, 23.1241,
31.3261

■ 18.7774, 19.7853,
30.8467

■ 25.4493, 26.8354,
31.8558

■ 16.0590, 16.8036,
30.4144

■ 29.4354, 30.9282,
32.4357

■ 13.7285, 14.1669,
30.0283

■ 33.8753, 35.4146,
33.0677

■ 11.7666, 11.8610,
29.6866

■ 38.7832, 40.3053,
33.7530

■ 10.1518, 9.8707,
29.3876

■ 44.1729, 45.6108,
34.4930

■ 8.8605, 8.1792,
29.1291

■ 50.0572, 51.3408,
35.2889

■ 7.8655, 6.7679,
28.9092

■ 56.4489, 57.5050,
36.1418

■ 7.1239, 5.6098,
28.7247

■ 63.3600, 64.1127,
37.0530

■ 6.9201, 5.2876,
28.6733

■ 70.3583, 70.9441,
38.0027

Harmonies

Analogous

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



20.9324, 23.1241, 30.3240



21.9012, 23.1241, 31.3261



22.9208, 23.1241, 30.5765

Triad

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



21.9012, 23.1241, 31.3261



23.7907, 23.1241, 22.6104



20.3349, 23.1241, 22.2538

Complementary

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



21.9012, 23.1241, 31.3261



24.8766, 25.9030, 22.4280

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.



21.0629, 23.1241, 20.4559



21.9012, 23.1241, 31.3261



23.0594, 23.1241, 20.6502

Square

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



21.9012, 23.1241, 31.3261



24.0319, 23.1241, 25.4013



22.0565, 23.1241, 19.8924



20.0460, 23.1241, 24.9565

Rectangle

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



21.9012, 23.1241, 31.3261



23.4884, 23.1241, 29.2146



22.0565, 23.1241, 19.8924



20.5352, 23.1241, 21.5318

Sweetspot

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



21.9019, 23.1251, 31.3266



46.1057, 48.5927, 56.3839



23.3161, 27.2142, 27.9113



10.4265, 10.9909, 12.8568



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.



21.9019, 23.1251, 31.3266



36.6269, 38.6619, 54.9666



20.8984, 20.6708, 30.9058



5.6785, 5.9911, 7.3268



5.9361, 4.5671, 24.4997



0.1002, 0.1109, 0.3090

Inverse Universe

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



23.5299, 22.1558, 25.2277



40.0361, 36.7297, 42.1730



26.0047, 28.7137, 22.9111



5.8912, 5.8515, 6.5331



11.1234, 5.6544, 4.1307



0.1500, 0.0748, 0.1237

Previews

White Background



This preview shows how the XYZ color 21.9012, 23.1241, 31.3261 looks on a white background.

Color Contrast Check

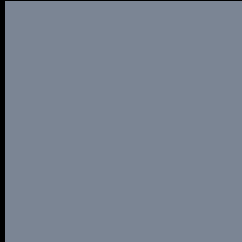
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9012, 23.1241, 31.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

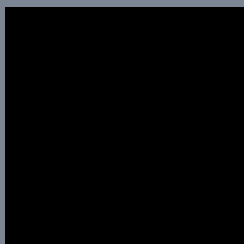
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

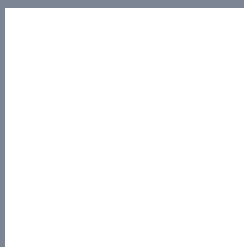
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9012, 23.1241, 31.3261

Background



This preview shows how black text looks on a background with the XYZ color 21.9012, 23.1241, 31.3261.



This preview shows how white text looks on a background with the XYZ color 21.9012, 23.1241,

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

21.9012, 23.1241, 31.3261

Protanopia

22.5887, 23.0850, 30.8691

Deuteranopia

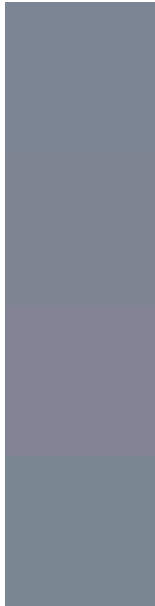
23.5916, 23.1888, 31.6662



Tritanopia

21.5852, 23.2014, 29.7262

Trichromacy



Original Color

21.9012, 23.1241, 31.3261

Protanomaly

22.2701, 23.1211, 30.8928

Deuteranomaly

22.9232, 23.0407, 31.6729

Tritanomaly

21.6620, 23.2321, 30.1306

Monochromacy



Original Color

21.9012, 23.1241, 31.3261

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.8920, 23.0046, 27.3313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9012, 23.1241, 31.3261 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, 133, 148)` looks like.

```
.text, #text, p{  
    color:rgb(123, 133, 148)  
}
```

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, 133, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 133, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.9012, 23.1241, 31.3261 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, 133, 148) }
```


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

```
.border{ border-color:rgb(123, 133, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 133, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 133, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 133, 148);  
box-shadow:4px 4px 4px 4px rgb(123, 133,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9012, 23.1241, 31.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 133, 148) }
```

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

```
.background{ background-color: rgb(123,  
133, 148) }
```

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