

Converting Colors

XYZ(21.8599, 24.3482, 31.9813)

Have a look what the booklet for
XYZ(21.8599, 24.3482, 31.9813)
contains.

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Color

**XYZ(21.8599, 24.3482,
31.9813)**

Conversions

Conversions Part 1

Format	Color
Hex	748B95
RGB	116, 139, 149
RGB Percent	45%, 55%, 58%
CMY	0.5451, 0.4549, 0.4157
CMYK	0.22, 0.07, 0.00, 0.42
HSL	198°, 13%, 52%
HSV	198°, 22%, 58%
XYZ	21.8599, 24.3482, 31.9813
YIQ	133.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

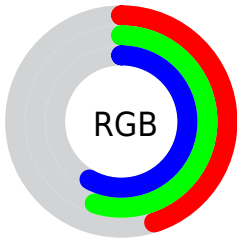
Format	Color
R_{YB}	116, 130, 149
Decimal	7637909
CIE _{Lab}	56.43, -5.88, -8.06
CIE _{LCh}	56, 9.974, 233.899
Yxy	24.3482, 0.2796, 0.3114
Android (android.graphics.Color)	4285827989 (0xFF748B95)
YUV	133.2630, 7.7583, -15.1397
Hunter-Lab	49.3439, -7.2743, -3.8870

Details

The XYZ color **21.8599, 24.3482, 31.9813** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.0079, 22.5722, 19.6677**, and the grayscale version is **22.3678, 23.5326, 25.6270**.

A 20% lighter version of the original color is **45.9913, 50.4461, 63.8130**, and **8.0917, 9.2199, 12.9084** is the 20% darker color. If you saturate the color by 10%, you get **19.3959, 22.1281, 31.6830**, and if you desaturate by 10%, it is **24.6701, 26.7880, 32.3045**.

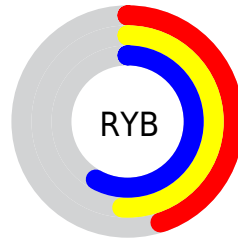
Distribution



Red (45%)

Green (55%)

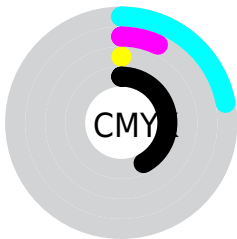
Blue (58%)



Red (45%)

Yellow (51%)

Blue (58%)

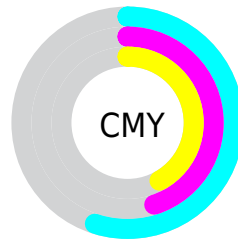


Cyan (22%)

Magenta (7%)

Yellow (0%)

Black (42%)



Cyan (55%)

Magenta (45%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8599, 24.3482, 31.9813 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 21.8599, 24.3482, 31.9813 by changing the saturation by 10% instead.

■ 21.8599, 24.3482,
31.9813

■ 21.8599, 24.3482,
31.9813

254.4599,
274.5762, 325.5242

■ 13.8700, 15.5921,
21.0825

■ 45.9949, 50.5978,
63.8793

■ 8.1114, 9.2360,
12.9925

■ 62.8708, 68.8601,
85.7157

■ 4.2187, 4.8954,
7.2927

■ 83.4393, 91.0600,
112.0349

■ 1.8266, 2.1860,
3.5646

108.0659,
117.5818, 143.2557

■ 0.5336, 0.7124,
1.3897

137.1159,
148.8099, 179.7964

■ 0.0000, 0.0000,
0.1336

170.9547,

■ 0.0000, 0.0000,

185.1288, 222.0757

0.0000

209.9475,
226.9227, 270.5121

■ 21.8599, 24.3482,
31.9813

■ 21.8599, 24.3482,
31.9813

■ 19.3959, 22.1281,
31.6830

■ 24.6701, 26.7880,
32.3045

■ 17.2604, 20.1164,
31.4073

■ 27.8386, 29.4526,
32.6518

■ 15.4376, 18.3050,
31.1537

■ 31.3799, 32.3502,
33.0245

■ 13.9091, 16.6839,
30.9214

■ 35.3067, 35.4881,
33.4232

■ 12.6547, 15.2422,
30.7092

■ 39.6313, 38.8729,
33.8486

■ 11.6514, 13.9676,
30.5161

■ 44.3652, 42.5112,
34.3013

■ 10.8722, 12.8456,
30.3406

■ 49.5198, 46.4090,
34.7820

■ 10.3609, 12.0420,
30.2124

■ 55.1056, 50.5723,
35.2912

■ 61.1330, 55.0070,
35.8295

Harmonies

Analogous

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



21.1732, 24.3482, 29.1684



21.8599, 24.3482, 31.9813



22.9073, 24.3482, 33.3415

Triad

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



21.8599, 24.3482, 31.9813



25.4183, 24.3482, 27.1919



22.2553, 24.3482, 21.1176

Complementary

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



21.8599, 24.3482, 31.9813



23.0079, 22.5722, 19.6677

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.



23.3788, 24.3482, 20.6836



21.8599, 24.3482, 31.9813



25.2297, 24.3482, 24.0202

Square

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



21.8599, 24.3482, 31.9813



24.9808, 24.3482, 30.4324



24.4738, 24.3482, 21.7031



21.3961, 24.3482, 22.9419

Rectangle

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



21.8599, 24.3482, 31.9813



23.6791, 24.3482, 33.1671



24.4738, 24.3482, 21.7031



22.6136, 24.3482, 20.8110

Sweetspot

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



21.8606, 24.3492, 31.9819



46.9384, 50.3102, 58.1582



21.7098, 26.7121, 23.7171



10.3390, 11.0962, 12.8817



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.



21.8606, 24.3492, 31.9819



36.6902, 41.4100, 56.9804



19.6612, 19.9503, 31.2487



5.8173, 6.2686, 7.3731



8.7469, 10.1885, 25.4366



0.1331, 0.1767, 0.3200

Inverse Universe

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



23.3006, 20.7450, 27.2034



39.8223, 33.8449, 46.5253



25.2799, 27.1162, 20.4251



5.9612, 5.8796, 6.9020



12.5421, 6.2219, 11.6016



0.1666, 0.0814, 0.2111

Previews

White Background



This preview shows how the XYZ color 21.8599, 24.3482, 31.9813 looks on a white background.

Color Contrast Check

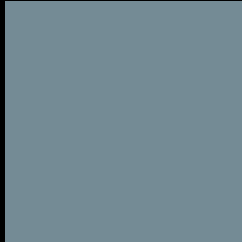
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8599, 24.3482, 31.9813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

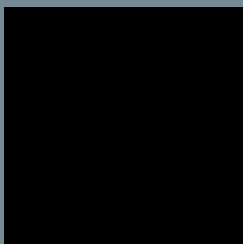
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

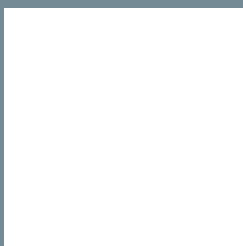
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8599, 24.3482, 31.9813

Background



This preview shows how black text looks on a background with the XYZ color 21.8599, 24.3482, 31.9813.



This preview shows how white text looks on a background with the XYZ color 21.8599, 24.3482,

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

21.8599, 24.3482, 31.9813

Protanopia

23.5449, 24.1938, 30.6231

Deuteranopia

24.6867, 24.1297, 32.6345



Tritanopia

21.9401, 24.3802, 32.4037

Trichromacy



Original Color

21.8599, 24.3482, 31.9813

Protanomaly

22.8230, 24.2269, 31.0771

Deuteranomaly

23.5458, 24.1577, 32.2761

Tritanomaly

21.9401, 24.3802, 32.4037

Monochromacy



Original Color

21.8599, 24.3482, 31.9813

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0766, 23.7041, 27.8379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8599, 24.3482, 31.9813 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(116, 139, 149)` looks like.

```
.text, #text, p{  
    color:rgb(116, 139, 149)  
}
```

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(116, 139, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 139, 149) }
```

Border

The CSS property to change the border of an element to XYZ 21.8599, 24.3482, 31.9813 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(116, 139, 149) }
```


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

```
.border{ border-color:rgb(116, 139, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 139, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 139, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 139, 149);  
box-shadow:4px 4px 4px 4px rgb(116, 139,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8599, 24.3482, 31.9813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 139, 149) }
```

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

```
.background{ background-color: rgb(116,  
139, 149) }
```

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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