

Converting Colors

XYZ(21.1608, 24.8740, 29.5939)

Have a look what the booklet for
XYZ(21.1608, 24.8740, 29.5939)
contains.

XYZ(21.2108, 24.9431, 29.6832)	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(21.2108, 24.9431,
29.6832)**

Conversions

Conversions Part 1

Format	Color
Hex	6E8F8F
RGB	110, 143, 143
RGB Percent	43%, 56%, 56%
CMY	0.5686, 0.4392, 0.4392
CMYK	0.23, 0.00, 0.00, 0.44
HSL	180°, 13%, 50%
HSV	180°, 23%, 56%
XYZ	21.2108, 24.9431, 29.6832
YIQ	133.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

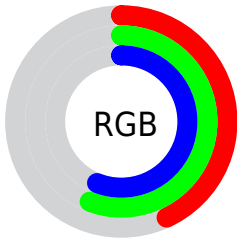
Format	Color
R _Y B	110, 127, 143
Decimal	7245711
CIE Lab	57.02, -11.46, -3.79
CIE LCh	57, 12.071, 198.278
Yxy	24.9431, 0.2797, 0.3289
Android (android.graphics.Color)	4285435791 (0xFF6E8F8F)
YUV	133.1330, 4.8644, -20.2876
Hunter-Lab	49.9431, -11.5915, -0.2783

Details

The XYZ color **21.2108, 24.9431, 29.6832** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7190, 18.1180, 17.2107**, and the grayscale version is **22.3313, 23.4943, 25.5853**.

A 20% lighter version of the original color is **44.9446, 51.6451, 60.4230**, and **7.8146, 9.6111, 11.7992** is the 20% darker color. If you saturate the color by 10%, you get **19.5734, 24.0996, 29.6068**, and if you desaturate by 10%, it is **23.1369, 25.9367, 29.7742**.

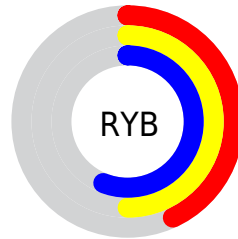
Distribution



Red (43%)

Green (56%)

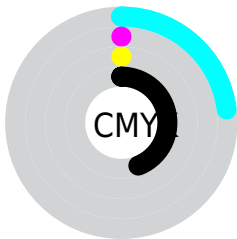
Blue (56%)



Red (43%)

Yellow (50%)

Blue (56%)

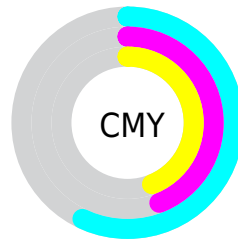


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (44%)



Cyan (57%)

Magenta (44%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2108, 24.9431, 29.6832 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 21.2108, 24.9431, 29.6832 by changing the saturation by 10% instead.

■ 21.2108, 24.9431,
29.6832

■ 21.2108, 24.9431,
29.6832

251.1072,
277.5545, 314.5862

■ 13.3915, 16.0347,
19.3482

■ 44.9267, 51.5649,
60.2159

■ 7.7775, 9.5487,
11.7428

■ 61.5541, 70.0471,
81.2507

■ 4.0035, 5.1008,
6.4484

■ 81.8482, 92.4892,
106.6892

■ 1.7041, 2.3065,
3.0464

■ 106.1744,
119.2759, 136.9500

■ 0.4589, 0.7772,
1.1184

134.8980,
150.7913, 172.4515

■ 0.0000, 0.0000,
0.0000

168.3845,

187.4199, 213.6124

206.9991,
229.5462, 260.8511

■ 21.2108, 24.9431,
29.6832

■ 21.2108, 24.9431,
29.6832

■ 19.5734, 24.0996,
29.6068

■ 23.1369, 25.9367,
29.7742

■ 18.2086, 23.3961,
29.5426

■ 25.3622, 27.0839,
29.8787

■ 17.1024, 22.8258,
29.4905

■ 27.8996, 28.3919,
29.9977

■ 16.2384, 22.3804,
29.4497

■ 30.7604, 29.8667,
30.1319

■ 15.5985, 22.0505,
29.4195

■ 33.9555, 31.5138,
30.2818

■ 15.1620, 21.8255,
29.3987

■ 37.4951, 33.3386,
30.4477

■ 14.9044, 21.6927,
29.3864

■ 41.3892, 35.3461,
30.6303

■ 14.7804, 21.6288,
29.3803

■ 45.6472, 37.5411,
30.8299

■ 50.2783, 39.9285,
31.0469

Harmonies

Analogous

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



21.1359, 24.9431, 25.6024



21.2108, 24.9431, 29.6832



21.9383, 24.9431, 33.4166

Triad

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



21.2108, 24.9431, 29.6832



25.8024, 24.9431, 32.6965



24.2662, 24.9431, 20.2055

Complementary

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



21.2108, 24.9431, 29.6832



19.7190, 18.1180, 17.2107

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.



25.5697, 24.9431, 21.7355



21.2108, 24.9431, 29.6832



26.4800, 24.9431, 28.7770

Square

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



21.2108, 24.9431, 29.6832



24.5735, 24.9431, 35.2723



26.3932, 24.9431, 24.7817



22.8624, 24.9431, 20.3959

Rectangle

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



21.2108, 24.9431, 29.6832



22.7124, 24.9431, 35.0815



26.3932, 24.9431, 24.7817



24.7316, 24.9431, 20.5289

Sweetspot

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



21.2115, 24.9441, 29.6838



43.7294, 47.6304, 53.4264



19.1367, 24.1221, 18.3997



9.9820, 10.8990, 12.2497



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.



21.2115, 24.9441, 29.6838



36.3051, 43.8031, 53.0777



18.9849, 20.4906, 28.9423



5.5603, 6.1163, 6.9162



13.0681, 19.1231, 25.9766



0.1249, 0.1828, 0.2484

Inverse Universe

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



19.7190, 18.1180, 17.2107



33.1204, 29.2379, 26.4634



21.5975, 21.8752, 17.8364



5.4089, 5.4241, 5.6513



10.0159, 5.1634, 0.4690



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 21.2108, 24.9431, 29.6832 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 21.2108, 24.9431, 29.6832 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

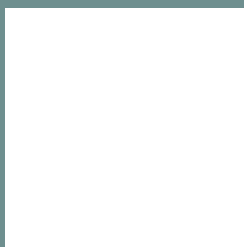
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2108, 24.9431, 29.6832

Background



This preview shows how black text looks on a background with the XYZ color 21.2108, 24.9431, 29.6832.



This preview shows how white text looks on a background with the XYZ color 21.2108, 24.9431,

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

21.2108, 24.9431, 29.6832

Protanopia

23.9456, 24.8757, 27.9655

Deuteranopia

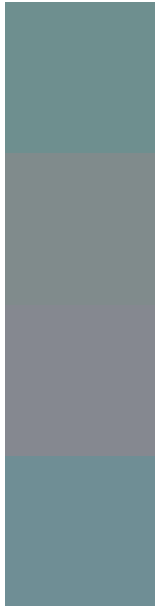
25.2162, 24.6579, 30.2185



Tritanopia

21.9567, 24.7944, 33.7655

Trichromacy



Original Color

21.2108, 24.9431, 29.6832

Protanomaly

22.8683, 24.9479, 28.4211

Deuteranomaly

23.5111, 24.6085, 29.8963

Tritanomaly

21.6534, 24.8954, 32.0978

Monochromacy



Original Color

21.2108, 24.9431, 29.6832

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.9185, 24.0574, 27.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2108, 24.9431, 29.6832 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(110, 143, 143)` looks like.

```
.text, #text, p{  
    color:rgb(110, 143, 143)  
}
```

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(110, 143, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 143, 143) }
```

Border

The CSS property to change the border of an element to XYZ 21.2108, 24.9431, 29.6832 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(110, 143, 143) }
```


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

```
.border{ border-color:rgb(110, 143, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 143, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 143, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 143, 143);  
box-shadow:4px 4px 4px 4px rgb(110, 143,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2108, 24.9431, 29.6832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 143, 143) }
```

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

```
.background{ background-color: rgb(110,  
143, 143) }
```

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