

Converting Colors

XYZ(21.8389, 24.8778, 28.5226)

Have a look what the booklet for
XYZ(21.8389, 24.8778, 28.5226)
contains.

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Color

**XYZ(21.8662, 24.8651,
28.4579)**

Conversions

Conversions Part 1

Format	Color
Hex	778D8C
RGB	119, 141, 140
RGB Percent	47%, 55%, 55%
CMY	0.5333, 0.4470, 0.4510
CMYK	0.16, 0.00, 0.01, 0.45
HSL	177°, 9%, 51%
HSV	177°, 16%, 55%
XYZ	21.8662, 24.8651, 28.4579
YIQ	134.3080, -12.7910, -4.9750

Conversions

Conversions Part 2

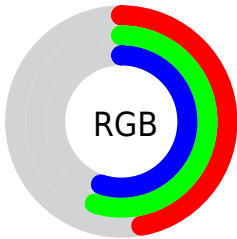
Format	Color
R_{YB}	119, 130, 141
Decimal	7835020
CIE Lab	56.94, -8.04, -2.11
CIE LCh	57, 8.313, 194.686
Yxy	24.8651, 0.2908, 0.3307
Android (android.graphics.Color)	4286025100 (0xFF778D8C)
YUV	134.3080, 2.8062, -13.4251
Hunter-Lab	49.8649, -8.9898, 1.0686

Details

The XYZ color **21.8662, 24.8651, 28.4579** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.9723, 20.2130, 20.5664**, and the grayscale version is **22.7672, 23.9529, 26.0847**.

A 20% lighter version of the original color is **45.9353, 51.5384, 57.9789**, and **8.1123, 9.5224, 11.0833** is the 20% darker color. If you saturate the color by 10%, you get **20.0258, 23.9225, 28.1258**, and if you desaturate by 10%, it is **23.9954, 25.9579, 28.8060**.

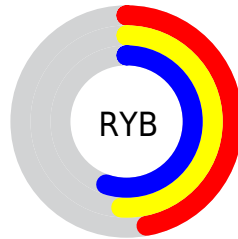
Distribution



Red (47%)

Green (55%)

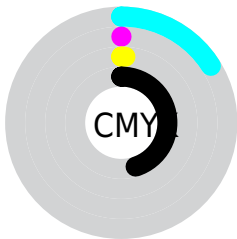
Blue (55%)



Red (47%)

Yellow (51%)

Blue (55%)

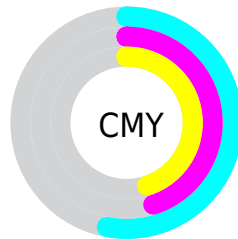


Cyan (16%)

Magenta (0%)

Yellow (1%)

Black (45%)



Cyan (53%)

Magenta (45%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8662, 24.8651, 28.4579 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 21.8662, 24.8651, 28.4579 by changing the saturation by 10% instead.

■ 21.8662, 24.8651,
28.4579

■ 21.8662, 24.8651,
28.4579

254.4923,
277.1655, 308.6290

■ 13.8747, 15.9766,
18.4291

■ 46.0053, 51.4383,
58.2465

■ 8.1147, 9.5076,
11.0859

■ 62.8835, 69.8918,
78.8434

■ 4.2208, 5.0737,
6.0097

■ 83.4547, 92.3023,
103.8001

■ 1.8278, 2.2906,
2.7821

108.0842,
119.0544, 133.5351

■ 0.5343, 0.7687,
0.9845

137.1373,
150.5323, 168.4670

■ 0.0000, 0.0000,
0.0000

170.9795,

187.1206, 209.0142

209.9760,
229.2035, 255.5954

■ 21.8662, 24.8651,
28.4579

■ 21.8662, 24.8651,
28.4579

■ 20.0258, 23.9225,
28.1258

■ 23.9954, 25.9579,
28.8060

■ 18.4596, 23.1205,
27.8075

■ 26.4231, 27.2039,
29.1690

■ 17.1546, 22.4531,
27.5028

■ 29.1612, 28.6099,
29.5479

■ 16.0962, 21.9128,
27.2111

■ 32.2203, 30.1814,
29.9434

■ 15.2683, 21.4914,
26.9316

■ 35.6105, 31.9234,
30.3558

■ 14.6527, 21.1793,
26.6635

■ 39.3413, 33.8411,
30.7855

■ 14.2288, 20.9661,
26.4058

■ 43.4221, 35.9392,
31.2331

■ 13.9665, 20.8361,
26.1570

■ 47.8618, 38.2222,
31.6990

■ 13.8691, 20.7881,
26.0490

■ 52.6689, 40.6946,
32.1835

Harmonies

Analogous

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



21.8712, 24.8651, 25.6806



21.8662, 24.8651, 28.4579



22.3257, 24.8651, 31.0274

Triad

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



21.8662, 24.8651, 28.4579



24.9764, 24.8651, 31.0729



24.1321, 24.8651, 22.2190

Complementary

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



21.8662, 24.8651, 28.4579



20.9723, 20.2130, 20.5664

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.



24.9915, 24.8651, 23.4713



21.8662, 24.8651, 28.4579



25.4880, 24.8651, 28.5166

Square

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



21.8662, 24.8651, 28.4579



24.1120, 24.8651, 32.6062



25.4936, 24.8651, 25.7355



23.1615, 24.8651, 22.2056

Rectangle

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



21.8662, 24.8651, 28.4579



22.8411, 24.8651, 32.2227



25.4936, 24.8651, 25.7355



24.4441, 24.8651, 22.5050

Sweetspot

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



21.8669, 24.8661, 28.4585



43.1730, 46.5885, 51.6161



20.6149, 24.3829, 21.0730



9.5866, 10.3769, 11.5199



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.



21.8669, 24.8661, 28.4585



37.8448, 43.8558, 50.7325



20.5459, 22.1052, 28.3843



5.5498, 6.1121, 6.8611



12.6470, 18.9547, 23.7592



0.1230, 0.1821, 0.2383

Inverse Universe

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



20.9723, 20.2130, 20.5664



35.9036, 33.7580, 33.6066



22.1522, 22.6696, 20.6612



5.4182, 5.4278, 5.7004



10.0495, 5.1768, 0.6463



0.0977, 0.0501, 0.0145

Previews

White Background



This preview shows how the XYZ color 21.8662, 24.8651, 28.4579 looks on a white background.

Color Contrast Check

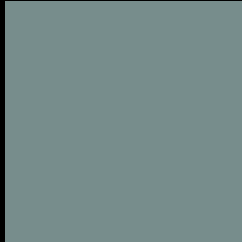
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8662, 24.8651, 28.4579 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

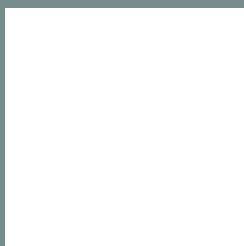
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8662, 24.8651, 28.4579

Background



This preview shows how black text looks on a background with the XYZ color 21.8662, 24.8651, 28.4579.



This preview shows how white text looks on a background with the XYZ color 21.8662, 24.8651,

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

21.8662, 24.8651, 28.4579

Protanopia

23.9670, 24.9034, 27.2106

Deuteranopia

25.1664, 24.6586, 29.0244



Tritanopia

22.6228, 24.7322, 32.4356

Trichromacy



Original Color

21.8662, 24.8651, 28.4579

Protanomaly

23.1916, 24.9175, 27.6320

Deuteranomaly

23.7882, 24.5694, 28.6879

Tritanomaly

22.3121, 24.8246, 30.8098

Monochromacy



Original Color

21.8662, 24.8651, 28.4579

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4429, 24.3360, 26.8070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8662, 24.8651, 28.4579 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(119, 141, 140)` looks like.

```
.text, #text, p{  
    color:rgb(119, 141, 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(119, 141, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 141, 140) }
```

Border

The CSS property to change the border of an element to XYZ 21.8662, 24.8651, 28.4579 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(119, 141, 140) }
```


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

```
.border{ border-color:rgb(119, 141, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 141, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 141, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 141, 140);  
box-shadow:4px 4px 4px 4px rgb(119, 141,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8662, 24.8651, 28.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 141, 140) }
```

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

```
.background{ background-color: rgb(119,  
141, 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](#).

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