

Converting Colors

XYZ(21.2100, 21.5718, 28.8213)

Have a look what the booklet for
XYZ(21.2100, 21.5718, 28.8213)
contains.

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Color

**XYZ(21.2243, 21.6438,
28.6502)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7F8E
RGB	127, 127, 142
RGB Percent	50%, 50%, 56%
CMY	0.5020, 0.5019, 0.4431
CMYK	0.11, 0.11, 0.00, 0.44
HSL	240°, 6%, 53%
HSV	240°, 11%, 56%
XYZ	21.2243, 21.6438, 28.6502
YIQ	128.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

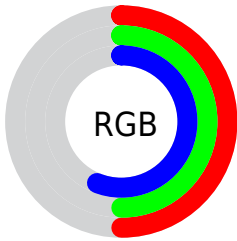
Format	Color
R_{YB}	127, 127, 142
Decimal	8355726
CIE Lab	53.65, 3.14, -8.08
CIE LCh	54, 8.668, 291.246
Yxy	21.6438, 0.2968, 0.3026
Android (android.graphics.Color)	4286545806 (0xFF7F7F8E)
YUV	128.7100, 6.5520, -1.4997
Hunter-Lab	46.5229, 0.0188, -3.9465

Details

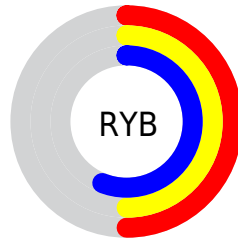
The XYZ color **21.2243, 21.6438, 28.6502** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.6592, 26.6290, 23.9194**, and the grayscale version is **20.7445, 21.8248, 23.7672**.

A 20% lighter version of the original color is **45.1075, 46.3313, 58.7900**, and **7.7980, 7.8412, 11.2277** is the 20% darker color. If you saturate the color by 10%, you get **17.5504, 17.2173, 27.9898**, and if you desaturate by 10%, it is **25.4560, 26.7427, 29.4117**.

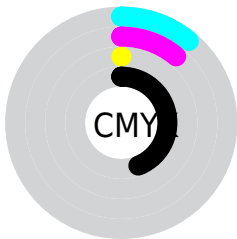
Distribution



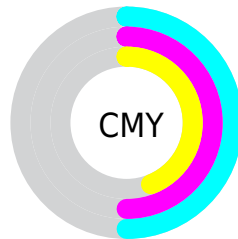
- Red (50%)
- Green (50%)
- Blue (56%)



- Red (50%)
- Yellow (50%)
- Blue (56%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (44%)



- Cyan (50%)
- Magenta (50%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2243, 21.6438, 28.6502 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 21.2243, 21.6438, 28.6502 by changing the saturation by 10% instead.

■ 21.2243, 21.6438,
28.6502

■ 21.2243, 21.6438,
28.6502

251.1773,
260.6804, 309.5700

■ 13.4015, 13.5954,
18.5731

■ 44.9490, 46.1566,
58.5564

■ 7.7845, 7.8398,
11.1885

■ 61.5816, 63.3897,
79.2225

■ 4.0080, 3.9926,
6.0780

■ 81.8814, 84.4533,
104.2554

■ 1.7067, 1.6694,
2.8230

106.2139,
109.7316, 134.0736

■ 0.4604, 0.4037,
1.0050

134.9444,
139.6091, 169.0956

■ 0.0000, 0.0000,
0.0000

168.4382,

174.4701, 209.7400

207.0607,
214.6991, 256.4253

■ 21.2243, 21.6438,
28.6502

■ 21.2243, 21.6438,
28.6502

■ 17.5504, 17.2173,
27.9898

■ 25.4560, 26.7427,
29.4117

■ 14.4093, 13.4325,
27.4248

■ 30.2654, 32.5375,
30.2767

■ 11.7768, 10.2605,
26.9513

■ 35.6738, 39.0540,
31.2495

■ 9.6261, 7.6691,
26.5644

■ 41.7007, 46.3158,
32.3335

■ 7.9282, 5.6231,
26.2590

■ 48.3649, 54.3454,
33.5321

■ 6.6506, 4.0837,
26.0292

■ 55.6844, 63.1644,
34.8486

■ 5.7567, 3.0066,
25.8684

■ 63.6762, 72.7937,
36.2860

■ 5.2038, 2.3402,
25.7689

■ 72.3571, 83.2530,
37.8473

■ 4.8827, 1.9533,
25.7112

■ 81.7430, 94.5619,
39.5355

Harmonies

Analogous

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



20.3018, 21.6438, 28.9788



21.2243, 21.6438, 28.6502



21.9930, 21.6438, 26.9076

Triad

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



21.2243, 21.6438, 28.6502



21.7075, 21.6438, 19.8064



18.8603, 21.6438, 22.7982

Complementary

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



21.2243, 21.6438, 28.6502



24.6592, 26.6290, 23.9194

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.



19.2132, 21.6438, 20.5139



21.2243, 21.6438, 28.6502



20.8442, 21.6438, 18.8737

Square

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



21.2243, 21.6438, 28.6502



22.2777, 21.6438, 21.7650



19.9328, 21.6438, 19.1227



18.9552, 21.6438, 25.4646

Rectangle

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



21.2243, 21.6438, 28.6502



22.3057, 21.6438, 25.2456



19.9328, 21.6438, 19.1227



18.9301, 21.6438, 21.9634

Sweetspot

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



21.2249, 21.6447, 28.6507



42.9299, 44.7974, 51.5120



23.2895, 25.8039, 29.2464



9.4599, 9.8507, 11.4822



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.



21.2249, 21.6447, 28.6507



35.5784, 35.9396, 50.1897



22.3437, 22.2212, 28.7030



5.1297, 5.2551, 6.7727



4.3839, 1.7538, 23.0845



0.0419, 0.0168, 0.2207

Inverse Universe

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



22.5760, 22.4624, 23.2255



38.5178, 37.7186, 38.3864



23.4557, 26.0089, 23.8632



5.4089, 5.4241, 5.6514



10.0159, 5.1634, 0.4691



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 21.2243, 21.6438, 28.6502 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 21.2243, 21.6438, 28.6502 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

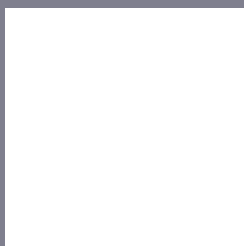
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2243, 21.6438, 28.6502

Background



This preview shows how black text looks on a background with the XYZ color 21.2243, 21.6438, 28.6502.



This preview shows how white text looks on a background with the XYZ color 21.2243, 21.6438,

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

21.2243, 21.6438, 28.6502

Protanopia

21.0760, 21.5674, 28.6433

Deuteranopia

22.0476, 21.6886, 28.6155



Tritanopia

20.9108, 21.7089, 27.1329

Trichromacy



Original Color

21.2243, 21.6438, 28.6502

Protanomaly

21.0760, 21.5674, 28.6433

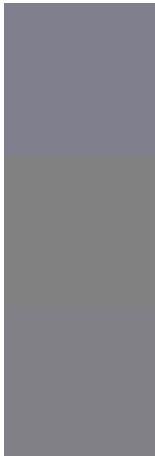
Deuteranomaly

21.7034, 21.7000, 28.6358

Tritanomaly

20.9836, 21.7380, 27.5160

Monochromacy



Original Color

21.2243, 21.6438, 28.6502

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.9243, 21.7488, 25.6494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2243, 21.6438, 28.6502 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(127, 127, 142)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 142)  
}
```

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(127, 127, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 142) }
```

Border

The CSS property to change the border of an element to XYZ 21.2243, 21.6438, 28.6502 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(127, 127, 142) }
```


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

```
.border{ border-color:rgb(127, 127, 142) }
```

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

Here you see how a box with a 4 pixel rgb(127, 127, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 142);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2243, 21.6438, 28.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 142) }
```

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

```
.background{ background-color: rgb(127,  
127, 142) }
```

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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