

Converting Colors

XYZ(22.7356, 24.5490, 29.4477)

Have a look what the booklet for
XYZ(22.7356, 24.5490, 29.4477)
contains.

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Color

**XYZ(22.7988, 24.6722,
29.5472)**

Conversions

Conversions Part 1

Format	Color
Hex	7F8A8F
RGB	127, 138, 143
RGB Percent	50%, 54%, 56%
CMY	0.5020, 0.4588, 0.4392
CMYK	0.11, 0.03, 0.00, 0.44
HSL	199°, 7%, 53%
HSV	199°, 11%, 56%
XYZ	22.7988, 24.6722, 29.5472
YIQ	135.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

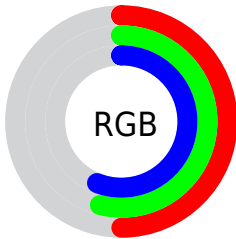
Format	Color
R_{YB}	127, 134, 143
Decimal	8358543
CIE _{Lab}	56.75, -2.93, -4.04
CIE _{LCh}	57, 4.995, 234.072
Yxy	24.6722, 0.2960, 0.3203
Android (android.graphics.Color)	4286548623 (0xFF7F8A8F)
YUV	135.2810, 3.8055, -7.2624
Hunter-Lab	49.6711, -4.9938, -0.4993

Details

The XYZ color **22.7988, 24.6722, 29.5472** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.4098, 23.8742, 23.4534**, and the grayscale version is **23.1225, 24.3267, 26.4918**.

A 20% lighter version of the original color is **47.5312, 50.9961, 60.1614**, and **8.6074, 9.3895, 11.7146** is the 20% darker color. If you saturate the color by 10%, you get **20.1908, 22.3965, 29.2458**, and if you desaturate by 10%, it is **25.7369, 27.1585, 29.8726**.

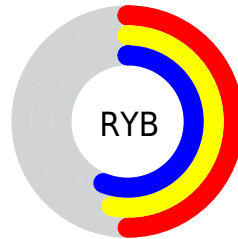
Distribution



Red (50%)

Green (54%)

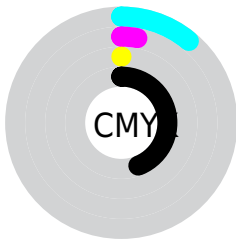
Blue (56%)



Red (50%)

Yellow (53%)

Blue (56%)

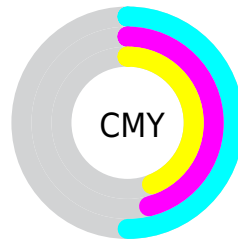


Cyan (11%)

Magenta (3%)

Yellow (0%)

Black (44%)



Cyan (50%)

Magenta (46%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7988, 24.6722, 29.5472 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 22.7988, 24.6722, 29.5472 by changing the saturation by 10% instead.

■ 22.7988, 24.6722,
29.5472

■ 22.7988, 24.6722,
29.5472

259.2446,
276.2015, 313.9295

■ 14.5649, 15.8330,
19.2460

■ 47.5318, 51.1249,
59.9979

■ 8.5989, 9.4061,
11.6696

■ 64.7617, 69.5073,
80.9845

■ 4.5355, 5.0070,
6.3993

■ 85.7209, 91.8394,
106.3699

■ 2.0093, 2.2514,
3.0167

110.7748,
118.5058, 136.5728

■ 0.6392, 0.7478,
1.1032

140.2887,
149.8908, 172.0117

■ 0.0000, 0.0000,
0.0000

174.6281,

186.3788, 213.1050

214.1583,
228.3543, 260.2715

■ 22.7988, 24.6722,
29.5472

■ 22.7988, 24.6722,
29.5472

■ 20.1908, 22.3965,
29.2458

■ 25.7369, 27.1585,
29.8726

■ 17.8979, 20.3212,
28.9661

■ 29.0151, 29.8592,
30.2211

■ 15.9067, 18.4397,
28.7078

■ 32.6459, 32.7815,
30.5938

■ 14.2024, 16.7437,
28.4703

■ 36.6401, 35.9318,
30.9914

■ 12.7685, 15.2245,
28.2526

■ 41.0084, 39.3158,
31.4143

■ 11.5871, 13.8721,
28.0539

■ 45.7608, 42.9391,
31.8632

■ 10.6376, 12.6754,
27.8729

■ 50.9069, 46.8072,
32.3386

■ 9.8961, 11.6217,
27.7086

■ 56.4562, 50.9253,
32.8410

■ 9.3570, 10.7813,
27.5748

■ 62.1589, 55.1650,
33.3588

Harmonies

Analogous

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



22.4419, 24.6722, 28.1942



22.7988, 24.6722, 29.5472



23.3346, 24.6722, 30.1840

Triad

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



22.7988, 24.6722, 29.5472



24.5825, 24.6722, 27.1966



22.9961, 24.6722, 24.0390

Complementary

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



22.7988, 24.6722, 29.5472



23.4098, 23.8742, 23.4534

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.



23.5661, 24.6722, 23.7965



22.7988, 24.6722, 29.5472



24.4883, 24.6722, 25.5760

Square

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



22.7988, 24.6722, 29.5472



24.3693, 24.6722, 28.7912



24.1139, 24.6722, 24.3481



22.5545, 24.6722, 25.0244

Rectangle

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



22.7988, 24.6722, 29.5472



23.7237, 24.6722, 30.0985



24.1139, 24.6722, 24.3481



23.1788, 24.6722, 23.8696

Sweetspot

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



22.7995, 24.6732, 29.5477



45.0581, 47.7726, 53.3842



22.7264, 25.8178, 25.5440



10.2382, 10.8759, 12.2319



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.



22.7995, 24.6732, 29.5477



39.8074, 43.3043, 52.7985



21.7200, 22.5141, 29.1879



5.4201, 5.8360, 6.8696



8.2924, 9.5709, 24.3874



0.0990, 0.1310, 0.2397

Inverse Universe

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



23.5051, 22.8538, 27.2184



41.2932, 39.5193, 47.8830



24.5077, 26.0701, 23.8194



5.5555, 5.4827, 6.4234



11.9888, 5.9525, 10.8580



0.1246, 0.0609, 0.1562

Previews

White Background



This preview shows how the XYZ color 22.7988, 24.6722, 29.5472 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 22.7988, 24.6722, 29.5472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

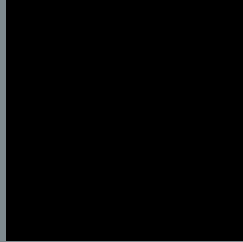
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

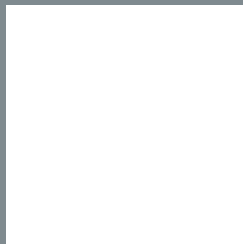
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7988, 24.6722, 29.5472

Background



This preview shows how black text looks on a background with the XYZ color 22.7988, 24.6722, 29.5472.



This preview shows how white text looks on a background with the XYZ color 22.7988, 24.6722,

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

22.7988, 24.6722, 29.5472

Protanopia

23.7882, 24.5694, 28.6879

Deuteranopia

24.9624, 24.5359, 29.8058



Tritanopia

23.1930, 24.6186, 31.5464

Trichromacy



Original Color

22.7988, 24.6722, 29.5472

Protanomaly

23.3595, 24.5479, 29.0982

Deuteranomaly

24.0404, 24.4671, 29.8411

Tritanomaly

23.0361, 24.5558, 30.7197

Monochromacy



Original Color

22.7988, 24.6722, 29.5472

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.9073, 24.3488, 27.5372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7988, 24.6722, 29.5472 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, 138, 143)` looks like.

```
.text, #text, p{  
    color:rgb(127, 138, 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(127, 138, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 138, 143) }
```

Border

The CSS property to change the border of an element to XYZ 22.7988, 24.6722, 29.5472 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, 138, 143) }
```


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

```
.border{ border-color:rgb(127, 138, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 138, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 138, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 138, 143);  
box-shadow:4px 4px 4px 4px rgb(127, 138,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7988, 24.6722, 29.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 138, 143) }
```

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

```
.background{ background-color: rgb(127,  
138, 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](#).

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