

Converting Colors

XYZ(22.7451, 25.6159, 29.3775)

Have a look what the booklet for
XYZ(22.7451, 25.6159, 29.3775)
contains.

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Color

**XYZ(22.7239, 25.5099,
29.3174)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8E8E
RGB	123, 142, 142
RGB Percent	48%, 56%, 56%
CMY	0.5176, 0.4431, 0.4431
CMYK	0.13, 0.00, 0.00, 0.44
HSL	180°, 8%, 52%
HSV	180°, 13%, 56%
XYZ	22.7239, 25.5099, 29.3174
YIQ	136.3190, -11.3240, -4.0280

Conversions

Conversions Part 2

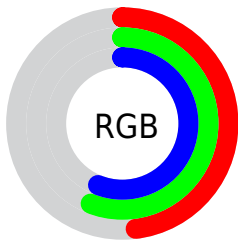
Format	Color
R_{YB}	123, 133, 142
Decimal	8097422
CIE _{Lab}	57.57, -6.78, -2.30
CIE _{LCh}	58, 7.162, 198.768
Yxy	25.5099, 0.2930, 0.3289
Android (android.graphics.Color)	4286287502 (0xFF7B8E8E)
YUV	136.3190, 2.8007, -11.6808
Hunter-Lab	50.5073, -8.0784, 0.9398

Details

The XYZ color **22.7239, 25.5099, 29.3174** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.8144, 21.3476, 21.7109**, and the grayscale version is **23.5148, 24.7394, 26.9412**.

A 20% lighter version of the original color is **47.6082, 52.6955, 59.8866**, and **8.5830, 9.8828, 11.5804** is the 20% darker color. If you saturate the color by 10%, you get **20.8382, 24.5385, 29.2291**, and if you desaturate by 10%, it is **24.9058, 26.6354, 29.4206**.

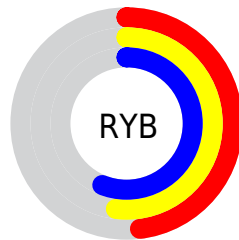
Distribution



Red (48%)

Green (56%)

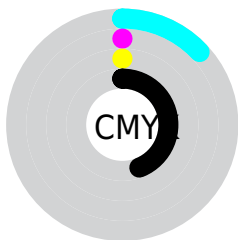
Blue (56%)



Red (48%)

Yellow (52%)

Blue (56%)

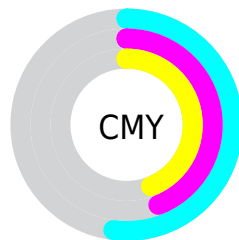


Cyan (13%)

Magenta (0%)

Yellow (0%)

Black (44%)



Cyan (52%)

Magenta (44%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7239, 25.5099, 29.3174 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 22.7239, 25.5099, 29.3174 by changing the saturation by 10% instead.

■ 22.7239, 25.5099,
29.3174

■ 22.7239, 25.5099,
29.3174

258.8656,
280.3678, 312.8173

■ 14.5093, 16.4574,
19.0734

■ 47.4096, 52.4832,
59.6292

■ 8.5598, 9.8484,
11.5460

■ 64.6114, 71.1728,
80.5341

■ 4.5100, 5.2985,
6.3166

■ 85.5397, 93.8435,
105.8297

■ 1.9945, 2.4235,
2.9666

110.5598,
120.8797, 135.9345

■ 0.6309, 0.8379,
1.0776

140.0371,
152.6659, 171.2672

■ 0.0000, 0.0000,
0.0000

174.3369,

189.5864, 212.2461

213.8246,
232.0256, 259.2900

■ 22.7239, 25.5099,
29.3174

■ 22.7239, 25.5099,
29.3174

■ 20.8382, 24.5385,
29.2291

■ 24.9058, 26.6354,
29.4206

■ 19.2338, 23.7114,
29.1535

■ 27.3935, 27.9178,
29.5375

■ 17.8979, 23.0227,
29.0905

■ 30.1990, 29.3641,
29.6694

■ 16.8159, 22.4649,
29.0393

■ 33.3330, 30.9797,
29.8166

■ 15.9717, 22.0297,
28.9993

■ 36.8055, 32.7698,
29.9796

■ 15.3473, 21.7079,
28.9695

■ 40.6263, 34.7395,
30.1590

■ 14.9225, 21.4889,
28.9491

■ 44.8048, 36.8936,
30.3551

■ 14.6728, 21.3602,
28.9369

■ 49.3498, 39.2367,
30.5683

■ 14.5551, 21.2995,
28.9310

■ 54.2702, 41.7732,
30.7991

Harmonies

Analogous

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



22.6704, 25.5099, 26.8695



22.7239, 25.5099, 29.3174



23.1796, 25.5099, 31.4668

Triad

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



22.7239, 25.5099, 29.3174



25.5030, 25.5099, 30.9940



24.5678, 25.5099, 23.4119

Complementary

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



22.7239, 25.5099, 29.3174



21.8144, 21.3476, 21.7109

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.



25.3454, 25.5099, 24.3856



22.7239, 25.5099, 29.3174



25.8938, 25.5099, 28.7025

Square

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



22.7239, 25.5099, 29.3174



24.7788, 25.5099, 32.4733



25.8354, 25.5099, 26.2895



23.7217, 25.5099, 23.5550

Rectangle

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



22.7239, 25.5099, 29.3174



23.6563, 25.5099, 32.3965



25.8354, 25.5099, 26.2895



24.8462, 25.5099, 23.6170

Sweetspot

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



22.7246, 25.5110, 29.3180



43.6297, 46.8189, 51.8649



21.4627, 25.0114, 22.4360



9.6830, 10.4253, 11.5813



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.



22.7246, 25.5110, 29.3180



39.0362, 44.4509, 51.6488



21.4141, 22.8897, 28.8818



5.5603, 6.1163, 6.9162



13.0677, 19.1230, 25.9746



0.1249, 0.1828, 0.2484

Inverse Universe

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



21.8144, 21.3476, 21.7109



37.1157, 35.6669, 35.5992



23.0076, 23.7341, 22.1080



5.4089, 5.4241, 5.6513



10.0159, 5.1634, 0.4691



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 22.7239, 25.5099, 29.3174 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 22.7239, 25.5099, 29.3174 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

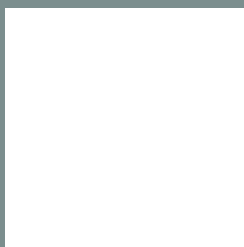
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7239, 25.5099, 29.3174

Background



This preview shows how black text looks on a background with the XYZ color 22.7239, 25.5099, 29.3174.



This preview shows how white text looks on a background with the XYZ color 22.7239, 25.5099,

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

22.7239, 25.5099, 29.3174

Protanopia

24.4211, 25.3308, 28.0283

Deuteranopia

25.9536, 25.4534, 29.9306



Tritanopia

23.6498, 25.6767, 33.4154

Trichromacy



Original Color

22.7239, 25.5099, 29.3174

Protanomaly

23.7978, 25.4270, 28.4646

Deuteranomaly

24.7188, 25.4499, 29.5961

Tritanomaly

23.1824, 25.4730, 31.7119

Monochromacy



Original Color

22.7239, 25.5099, 29.3174

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.0360, 24.8372, 27.6247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7239, 25.5099, 29.3174 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(123, 142, 142)` looks like.

```
.text, #text, p{  
    color:rgb(123, 142, 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(123, 142, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 142, 142) }
```

Border

The CSS property to change the border of an element to XYZ 22.7239, 25.5099, 29.3174 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(123, 142, 142) }
```


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

```
.border{ border-color:rgb(123, 142, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 142, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 142, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 142, 142);  
box-shadow:4px 4px 4px 4px rgb(123, 142,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7239, 25.5099, 29.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 142, 142) }
```

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

```
.background{ background-color: rgb(123,  
142, 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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