

Converting Colors

XYZ(22.7361, 27.1378, 28.4256)

Have a look what the booklet for
XYZ(22.7361, 27.1378, 28.4256)
contains.

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Color

**XYZ(22.7438, 27.1409,
28.4661)**

Conversions

Conversions Part 1

Format	Color
Hex	75958B
RGB	117, 149, 139
RGB Percent	46%, 58%, 55%
CMY	0.5412, 0.4157, 0.4549
CMYK	0.21, 0.00, 0.07, 0.42
HSL	161°, 13%, 52%
HSV	161°, 21%, 58%
XYZ	22.7438, 27.1409, 28.4661
YIQ	138.2920, -15.8620, -9.8940

Conversions

Conversions Part 2

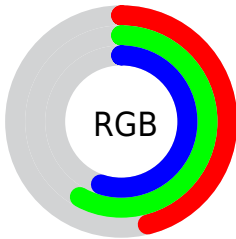
Format	Color
R_{YB}	117, 136, 149
Decimal	7705995
CIE _{Lab}	59.10, -13.31, 1.61
CIE _{LCh}	59, 13.406, 173.121
Yxy	27.1409, 0.2903, 0.3464
Android (android.graphics.Color)	4285896075 (0xFF75958B)
YUV	138.2920, 0.3490, -18.6731
Hunter-Lab	52.0969, -13.2424, 4.0714

Details

The XYZ color **22.7438, 27.1409, 28.4661** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.5875, 20.6452, 22.8743**, and the grayscale version is **24.2727, 25.5367, 27.8095**.

A 20% lighter version of the original color is **47.4479, 55.0637, 57.9968**, and **8.5548, 10.6856, 11.0628** is the 20% darker color. If you saturate the color by 10%, you get **20.5660, 26.0574, 26.6259**, and if you desaturate by 10%, it is **25.2563, 28.3967, 30.3988**.

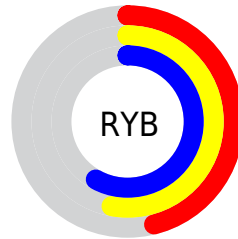
Distribution



Red (46%)

Green (58%)

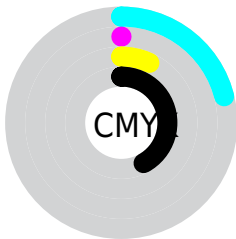
Blue (55%)



Red (46%)

Yellow (53%)

Blue (58%)

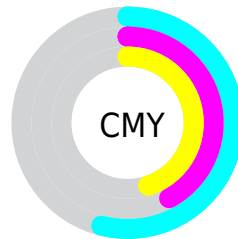


Cyan (21%)

Magenta (0%)

Yellow (7%)

Black (42%)



Cyan (54%)

Magenta (42%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7438, 27.1409, 28.4661 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 22.7438, 27.1409, 28.4661 by changing the saturation by 10% instead.

■ 22.7438, 27.1409,
28.4661

■ 22.7438, 27.1409,
28.4661

258.9663,
288.3387, 308.6692

■ 14.5241, 17.6791,
18.4352

■ 47.4421, 55.1099,
58.2598

■ 8.5702, 10.7198,
11.0902

■ 64.6513, 74.3858,
78.8596

■ 4.5168, 5.8788,
6.0126

■ 85.5878, 97.7019,
103.8196

■ 1.9984, 2.7715,
2.7838

110.6169,
125.4426, 133.5581

■ 0.6331, 1.0136,
0.9854

140.1040,
157.9922, 168.4938

■ 0.0000, 0.0000,
0.0000

174.4143,

195.7352, 209.0452

213.9133,
239.0559, 255.6308

■ 22.7438, 27.1409,
28.4661

■ 22.7438, 27.1409,
28.4661

■ 20.5660, 26.0574,
26.6259

■ 25.2563, 28.3967,
30.3988

■ 18.7055, 25.1351,
24.8748

■ 28.1154, 29.8288,
32.4237

■ 17.1465, 24.3666,
23.2116

■ 31.3354, 31.4452,
34.5430

■ 15.8711, 23.7427,
21.6345

■ 34.9288, 33.2523,
36.7581

■ 14.8593, 23.2531,
20.1416

■ 38.9077, 35.2564,
39.0706

■ 14.0884, 22.8862,
18.7308

■ 43.2835, 37.4635,
41.4817

■ 13.5320, 22.6282,
17.3999

■ 48.0674, 39.8790,
43.9929

■ 13.1677, 22.4638,
16.3251

■ 53.2698, 42.5085,
46.6054

■ 58.9010, 45.3572,
49.3206

Harmonies

Analogous

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



23.3170, 27.1409, 24.3787



22.7438, 27.1409, 28.4661



22.9600, 27.1409, 33.3046

Triad

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



22.7438, 27.1409, 28.4661



27.0757, 27.1409, 38.8224



27.7681, 27.1409, 22.8010

Complementary

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



22.7438, 27.1409, 28.4661



22.5875, 20.6452, 22.8743

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.



28.8578, 27.1409, 26.0921



22.7438, 27.1409, 28.4661



28.4461, 27.1409, 35.4094

Square

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



22.7438, 27.1409, 28.4661



25.4147, 27.1409, 39.6331



29.1111, 27.1409, 30.6648



26.1824, 27.1409, 21.3438

Rectangle

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



22.7438, 27.1409, 28.4661



23.5273, 27.1409, 36.2803



29.1111, 27.1409, 30.6648



28.2073, 27.1409, 23.7114

Sweetspot

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



22.7446, 27.1420, 28.4667



47.8917, 52.1856, 56.3589



22.7315, 27.3027, 20.9020



10.5489, 11.5327, 12.4442



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7446, 27.1420, 28.4667



38.6875, 47.5875, 49.2928



22.6043, 25.6379, 32.1923



5.8877, 6.5317, 7.0197



11.0957, 18.9111, 13.8115



0.1491, 0.2368, 0.2392

Inverse Universe

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



22.5875, 20.6452, 22.8743



38.3532, 33.7205, 37.3613



22.6726, 21.8076, 19.8444



5.8710, 5.8435, 6.4270



10.8684, 5.5524, 2.7880



0.1451, 0.0728, 0.0979

Previews

White Background



This preview shows how the XYZ color 22.7438, 27.1409, 28.4661 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 22.7438, 27.1409, 28.4661 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 22.7438, 27.1409, 28.4661

Background



This preview shows how black text looks on a background with the XYZ color 22.7438, 27.1409, 28.4661.

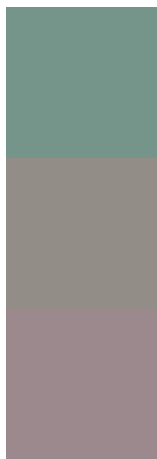


This preview shows how white text looks on a background with the XYZ color 22.7438, 27.1409,

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

22.7438, 27.1409, 28.4661

Protanopia

25.7521, 26.9100, 26.7585

Deuteranopia

27.4637, 26.8823, 28.9406



Tritanopia

24.3356, 27.0913, 36.2943

Trichromacy



Original Color

22.7438, 27.1409, 28.4661

Protanomaly

24.4089, 26.8750, 27.1935

Deuteranomaly

25.4138, 26.6940, 28.6239

Tritanomaly

23.7654, 27.0949, 33.2554

Monochromacy



Original Color

22.7438, 27.1409, 28.4661

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.4664, 25.9268, 27.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7438, 27.1409, 28.4661 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(117, 149, 139)` looks like.

```
.text, #text, p{  
    color:rgb(117, 149, 139)  
}
```

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(117, 149, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 149, 139) }
```

Border

The CSS property to change the border of an element to XYZ 22.7438, 27.1409, 28.4661 is called "border". The border property can be set on classes, ids or directly on the HTML element.

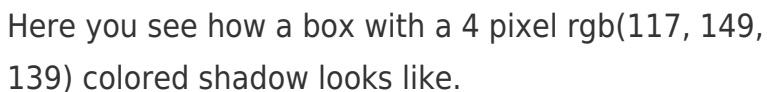
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 149, 139) }
```


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

```
.border{ border-color:rgb(117, 149, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 149, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 149, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 149, 139); box-shadow:4px 4px 4px 4px rgb(117, 149, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7438, 27.1409, 28.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 149, 139) }
```

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

```
.background{ background-color: rgb(117,  
149, 139) }
```

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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