

Converting Colors

XYZ(24.7747, 28.6451, 37.0251)

Have a look what the booklet for
XYZ(24.7747, 28.6451, 37.0251)
contains.

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Color

**XYZ(24.8224, 28.7416,
37.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	75989F
RGB	117, 152, 159
RGB Percent	46%, 60%, 62%
CMY	0.5412, 0.4039, 0.3765
CMYK	0.26, 0.04, 0.00, 0.38
HSL	190°, 18%, 54%
HSV	190°, 26%, 62%
XYZ	24.8224, 28.7416, 37.0403
YIQ	142.3330, -23.1070, -5.2430

Conversions

Conversions Part 2

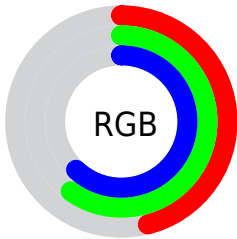
Format	Color
R_{YB}	117, 136, 159
Decimal	7706783
CIE _{Lab}	60.55, -10.37, -7.63
CIE _{LCh}	61, 12.874, 216.336
Yxy	28.7416, 0.2740, 0.3172
Android (android.graphics.Color)	4285896863 (0xFF75989F)
YUV	142.3330, 8.2168, -22.2170
Hunter-Lab	53.6112, -11.1727, -3.4360

Details

The XYZ color **24.8224, 28.7416, 37.0403** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.7170, 23.0708, 19.9807**, and the grayscale version is **25.8188, 27.1633, 29.5809**.

A 20% lighter version of the original color is **50.7865, 57.5437, 72.0486**, and **9.6752, 11.5834, 15.9132** is the 20% darker color. If you saturate the color by 10%, you get **22.4399, 26.8828, 36.8076**, and if you desaturate by 10%, it is **27.5791, 30.8090, 37.2945**.

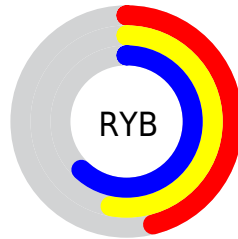
Distribution



Red (46%)

Green (60%)

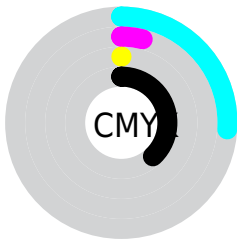
Blue (62%)



Red (46%)

Yellow (53%)

Blue (62%)

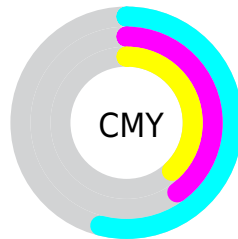


Cyan (26%)

Magenta (4%)

Yellow (0%)

Black (38%)



Cyan (54%)

Magenta (40%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8224, 28.7416, 37.0403 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 24.8224, 28.7416, 37.0403 by changing the saturation by 10% instead.

■ 24.8224, 28.7416,
37.0403

■ 24.8224, 28.7416,
37.0403

269.3163,
295.9938, 348.6589

■ 16.0728, 18.8854,
24.9427

■ 50.8139, 57.6663,
71.8218

■ 9.6669, 11.5875,
15.8157

■ 68.7866, 77.5036,
95.3427

■ 5.2392, 6.4635,
9.2409

■ 90.5643, 101.4367,
123.5085

■ 2.4245, 3.1289,
4.7997

116.5124,
129.8501, 156.7376

■ 0.8573, 1.1994,
2.0735

146.9963,
163.1281, 195.4487

■ 0.0000, 0.0612,
0.6000

182.3814,

■ 0.0000, 0.0000,

201.6551, 240.0603

0.0000

223.0329,
245.8156, 290.9908

■ 24.8224, 28.7416,
37.0403

■ 24.8224, 28.7416,
37.0403

■ 22.4399, 26.8828,
36.8076

■ 27.5791, 30.8090,
37.2945

■ 20.4106, 25.2196,
36.5935

■ 30.7246, 33.0904,
37.5691

■ 18.7154, 23.7427,
36.3978

■ 34.2757, 35.5954,
37.8654

■ 17.3323, 22.4407,
36.2193

■ 38.2475, 38.3318,
38.1843

■ 16.2365, 21.3006,
36.0570

■ 42.6543, 41.3070,
38.5263

■ 15.3995, 20.3078,
35.9095

■ 47.5098, 44.5283,
38.8922

■ 14.7798, 19.4407,
35.7748

■ 52.8270, 48.0024,
39.2825

■ 14.5784, 19.1438,
35.7281

■ 58.6184, 51.7358,
39.6979

■ 62.9935, 54.7540,
40.0498

Harmonies

Analogous

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



24.2617, 28.7416, 32.3163



24.8224, 28.7416, 37.0403



26.0547, 28.7416, 40.4537

Triad

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



24.8224, 28.7416, 37.0403



30.3526, 28.7416, 35.1159



26.9667, 28.7416, 23.0471

Complementary

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



24.8224, 28.7416, 37.0403



24.7170, 23.0708, 19.9807

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.



28.6216, 28.7416, 23.6343



24.8224, 28.7416, 37.0403



30.6208, 28.7416, 30.2949

Square

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



24.8224, 28.7416, 37.0403



29.2568, 28.7416, 39.2662



29.9756, 28.7416, 26.1763



25.4669, 28.7416, 24.4824

Rectangle

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



24.8224, 28.7416, 37.0403



27.1142, 28.7416, 41.3517



29.9756, 28.7416, 26.1763



27.5229, 28.7416, 23.0168

Sweetspot

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



24.8233, 28.7428, 37.0410



53.9938, 58.5227, 67.1937



23.3288, 30.0163, 23.4024



11.9837, 13.0577, 15.1324



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.8233, 28.7428, 37.0410



41.7350, 49.3692, 66.0730



21.8054, 22.7071, 36.0350



6.7277, 7.3212, 8.4652



11.5403, 15.1722, 28.2275



0.2291, 0.3169, 0.5123

Inverse Universe

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



26.3276, 22.3612, 32.6356



44.9623, 36.0543, 56.5379



27.5283, 28.6934, 20.9178



6.8567, 6.7356, 8.0963



14.6232, 7.1539, 18.0647



0.2730, 0.1325, 0.3836

Previews

White Background



This preview shows how the XYZ color 24.8224, 28.7416, 37.0403 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 24.8224, 28.7416, 37.0403 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

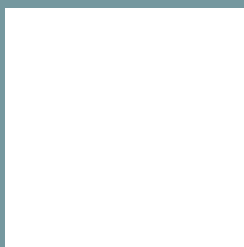
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8224, 28.7416, 37.0403

Background



This preview shows how black text looks on a background with the XYZ color 24.8224, 28.7416, 37.0403.

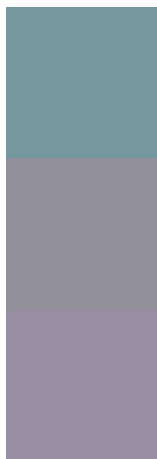


This preview shows how white text looks on a background with the XYZ color 24.8224, 28.7416,

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

24.8224, 28.7416, 37.0403

Protanopia

27.8959, 28.7283, 35.0852

Deuteranopia

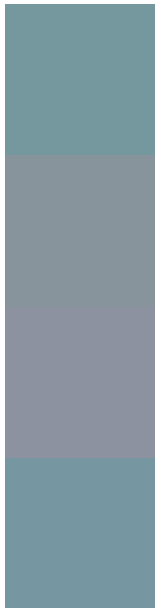
29.2429, 28.6915, 37.7150



Tritanopia

25.1487, 28.6291, 38.8508

Trichromacy



Original Color

24.8224, 28.7416, 37.0403

Protanomaly

26.5823, 28.7310, 35.5971

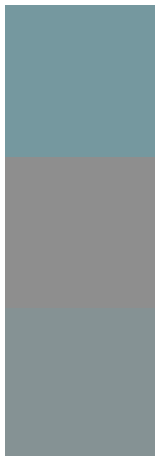
Deuteranomaly

27.4393, 28.6713, 37.3456

Tritanomaly

25.0594, 28.5934, 38.3807

Monochromacy



Original Color

24.8224, 28.7416, 37.0403

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.2970, 27.6824, 32.0269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8224, 28.7416, 37.0403 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, 152, 159)` looks like.

```
.text, #text, p{  
    color:rgb(117, 152, 159)  
}
```

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, 152, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 152, 159) }
```

Border

The CSS property to change the border of an element to XYZ 24.8224, 28.7416, 37.0403 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, 152, 159) }
```


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

```
.border{ border-color:rgb(117, 152, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 152, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 152, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 152, 159);  
box-shadow:4px 4px 4px 4px rgb(117, 152,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8224, 28.7416, 37.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 152, 159) }
```

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

```
.background{ background-color: rgb(117,  
152, 159) }
```

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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