

Converting Colors

XYZ(29.3224, 37.4390, 29.8887)

Have a look what the booklet for
XYZ(29.3224, 37.4390, 29.8887)
contains.

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Color

**XYZ(29.2775, 37.3202,
29.7052)**

Conversions

Conversions Part 1

Format	Color
Hex	83AF8A
RGB	131, 175, 138
RGB Percent	51%, 69%, 54%
CMY	0.4863, 0.3137, 0.4588
CMYK	0.25, 0.00, 0.21, 0.31
HSL	130°, 22%, 60%
HSV	130°, 25%, 69%
XYZ	29.2775, 37.3202, 29.7052
YIQ	157.6260, -14.3470, -20.8350

Conversions

Conversions Part 2

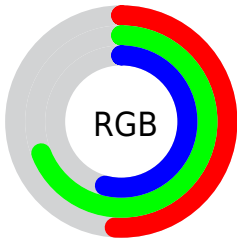
Format	Color
RYB	131, 169, 175
Decimal	8630154
CIELab	67.52, -22.31, 14.28
CIELCh	68, 26.487, 147.376
Yxy	37.3202, 0.3040, 0.3875
Android (android.graphics.Color)	4286820234 (0xFF83AF8A)
YUV	157.6260, -9.6756, -23.3510
Hunter-Lab	61.0903, -21.3619, 13.9334

Details

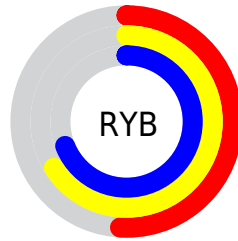
The XYZ color **29.2775, 37.3202, 29.7052** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.8647, 28.1746, 40.7535**, and the grayscale version is **32.3779, 34.0641, 37.0958**.

A 20% lighter version of the original color is **58.0979, 71.2719, 60.5639**, and **12.0293, 16.3291, 11.7503** is the 20% darker color. If you saturate the color by 10%, you get **25.7984, 35.6426, 24.3527**, and if you desaturate by 10%, it is **33.3608, 39.2947, 35.8413**.

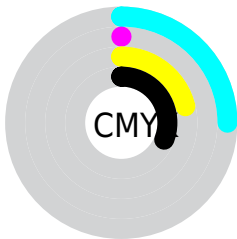
Distribution



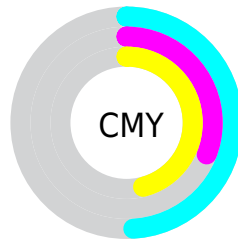
- Red (51%)
- Green (69%)
- Blue (54%)



- Red (51%)
- Yellow (66%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (21%)
- Black (31%)



- Cyan (49%)
- Magenta (31%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2775, 37.3202, 29.7052 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 29.2775, 37.3202, 29.7052 by changing the saturation by 10% instead.

■ 29.2775, 37.3202,
29.7052

■ 29.2775, 37.3202,
29.7052

290.4927,
334.6947, 314.6923

■ 19.4362, 25.4555,
19.3648

■ 57.9122, 71.0650,
60.2511

■ 12.0917, 16.4167,
11.7547

■ 77.4363, 93.7139,
81.2937

■ 6.8788, 9.8195,
6.4564

■ 100.9187,
120.7262, 106.7408

■ 3.4321, 5.2795,
3.0513

128.7247,
152.4865, 137.0109

■ 1.3862, 2.4122,
1.1209

161.2198,
189.3791, 172.5226

■ 0.2463, 0.8321,
0.0000

198.7693,

■ 0.0000, 0.0000,

231.7885, 213.6943

0.0000

241.7384,
280.0989, 260.9447

■ 29.2775, 37.3202,
29.7052

■ 29.2775, 37.3202,
29.7052

■ 25.7984, 35.6426,
24.3527

■ 33.3608, 39.2947,
35.8413

■ 22.8918, 34.2430,
19.7497

■ 38.0722, 41.5747,
42.7880

■ 20.5275, 33.1078,
15.8636

■ 43.4379, 44.1740,
50.5744

■ 18.6714, 32.2200,
12.6582

■ 49.4815, 47.1043,
59.2272

■ 17.2854, 31.5608,
10.0943

■ 56.2259, 50.3769,
68.7720

■ 16.3260, 31.1087,
8.1284

■ 63.6924, 54.0022,
79.2333

■ 15.7403, 30.8375,
6.7118

■ 71.9018, 57.9905,
90.6346

■ 15.5384, 30.7444,
6.2040

■ 74.6207, 59.1414,
102.0902

Harmonies

Analogous

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



31.9919, 37.3202, 23.7982



29.2775, 37.3202, 29.7052



28.2109, 37.3202, 39.6172

Triad

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



29.2775, 37.3202, 29.7052



35.1144, 37.3202, 67.4040



42.8889, 37.3202, 31.1719

Complementary

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



29.2775, 37.3202, 29.7052



32.8647, 28.1746, 40.7535

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.



43.8823, 37.3202, 41.6708



29.2775, 37.3202, 29.7052



39.1952, 37.3202, 63.9778

Square

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



29.2775, 37.3202, 29.7052



31.4157, 37.3202, 62.5983



42.4833, 37.3202, 53.9633



39.8627, 37.3202, 24.5241

Rectangle

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



29.2775, 37.3202, 29.7052



28.5117, 37.3202, 47.7065



42.4833, 37.3202, 53.9633



43.4812, 37.3202, 34.2999

Sweetspot

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



29.2785, 37.3218, 29.7060



65.5353, 73.1736, 72.7474



35.6619, 40.6692, 27.4435



14.2824, 16.1264, 15.7517



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.2785, 37.3218, 29.7060



48.9538, 65.1588, 47.8767



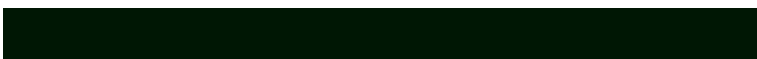
31.0014, 38.0109, 38.7787



7.9545, 8.9594, 8.7856



11.1425, 22.0223, 4.5241



0.3254, 0.6188, 0.2071

Inverse Universe

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



32.8647, 28.1746, 40.7535



56.4477, 46.0366, 70.9568



31.0161, 27.4352, 31.0192



8.2815, 8.1259, 9.7932



16.4599, 8.0465, 20.5989



0.4723, 0.2296, 0.6490

Previews

White Background



This preview shows how the XYZ color 29.2775, 37.3202, 29.7052 looks on a white background.

Color Contrast Check

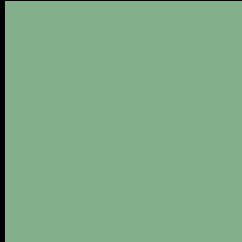
Large Text (above 18pt) WCAG AA × Fail

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 29.2775, 37.3202, 29.7052 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 ✓ Pass

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

XYZ 29.2775, 37.3202, 29.7052

Background



This preview shows how black text looks on a background with the XYZ color 29.2775, 37.3202, 29.7052.



This preview shows how white text looks on a background with the XYZ color 29.2775, 37.3202,

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

29.2775, 37.3202, 29.7052

Protanopia

34.8959, 37.2155, 27.1739

Deuteranopia

37.8484, 37.0981, 30.7570



Tritanopia

33.2789, 37.2423, 49.6905

Trichromacy



Original Color

29.2775, 37.3202, 29.7052

Protanomaly

32.4063, 36.9956, 27.9871

Deuteranomaly

34.0195, 36.6895, 30.4881

Tritanomaly

31.5992, 37.1132, 41.5745

Monochromacy



Original Color

29.2775, 37.3202, 29.7052

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.0741, 35.0812, 34.4117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2775, 37.3202, 29.7052 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(131, 175, 138)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 138)  
}
```

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(131, 175, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 138) }
```

Border

The CSS property to change the border of an element to XYZ 29.2775, 37.3202, 29.7052 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(131, 175, 138) }
```


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

```
.border{ border-color:rgb(131, 175, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 175, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 138);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2775, 37.3202, 29.7052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 175, 138) }
```

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

```
.background{ background-color: rgb(131,  
175, 138) }
```

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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