

Converting Colors

XYZ(29.6615, 37.8773, 32.6910)

Have a look what the booklet for
XYZ(29.6615, 37.8773, 32.6910)
contains.

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Color

**XYZ(29.5383, 37.6842,
32.5050)**

Conversions

Conversions Part 1

Format	Color
Hex	80B091
RGB	128, 176, 145
RGB Percent	50%, 69%, 57%
CMY	0.4980, 0.3098, 0.4314
CMYK	0.27, 0.00, 0.18, 0.31
HSL	141°, 23%, 60%
HSV	141°, 27%, 69%
XYZ	29.5383, 37.6842, 32.5050
YIQ	158.1140, -18.6570, -19.8170

Conversions

Conversions Part 2

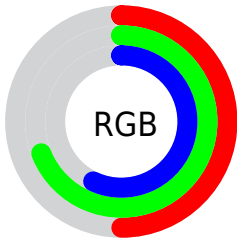
Format	Color
RYB	128, 163, 176
Decimal	8433809
CIELab	67.79, -22.47, 10.79
CIElCh	68, 24.932, 154.349
Yxy	37.6842, 0.2962, 0.3779
Android (android.graphics.Color)	4286623889 (0xFF80B091)
YUV	158.1140, -6.4652, -26.4100
Hunter-Lab	61.3875, -21.5378, 11.5768

Details

The XYZ color **29.5383, 37.6842, 32.5050** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.8830, 27.1726, 36.3671**, and the grayscale version is **32.5864, 34.2835, 37.3347**.

A 20% lighter version of the original color is **58.4568, 71.7818, 64.8071**, and **12.2091, 16.5699, 13.3813** is the 20% darker color. If you saturate the color by 10%, you get **26.2841, 36.1039, 28.0042**, and if you desaturate by 10%, it is **33.3415, 39.5395, 37.4910**.

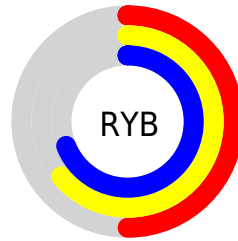
Distribution



Red (50%)

Green (69%)

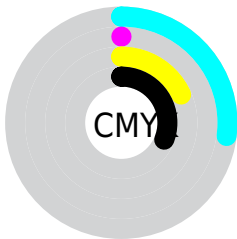
Blue (57%)



Red (50%)

Yellow (64%)

Blue (69%)

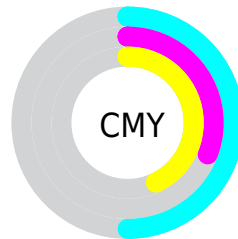


Cyan (27%)

Magenta (0%)

Yellow (18%)

Black (31%)



Cyan (50%)


Magenta (31%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5383, 37.6842, 32.5050 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 29.5383, 37.6842, 32.5050 by changing the saturation by 10% instead.


 29.5383, 37.6842,
32.5050


 29.5383, 37.6842,
32.5050


291.6950,
336.2633, 327.9766


 19.6347, 25.7377,
21.4795


 58.3229, 71.6238,
64.7090

 12.2365, 16.6275,
13.2803


 77.9347, 94.3858,
86.7246

 6.9783, 9.9693,
7.4889


 101.5132,
121.5216, 113.2407

 3.4948, 5.3786,
3.6866

129.4239,
153.4157, 144.6757

 1.4205, 2.4711,
1.4550

162.0320,
190.4526, 181.4483

 0.2707, 0.8621,
0.1841

199.7030,

 0.0000, 0.0000,

233.0165, 223.9770

0.0000

242.8022,
281.4920, 272.6802

■ 29.5383, 37.6842,
32.5050

■ 29.5383, 37.6842,
32.5050

■ 26.2841, 36.1039,
28.0042

■ 33.3415, 39.5395,
37.4910

■ 23.5495, 34.7806,
23.9713

■ 37.7151, 41.6773,
42.9737

■ 21.3071, 33.7015,
20.3920

■ 42.6830, 44.1108,
48.9671

■ 19.5255, 32.8507,
17.2500

■ 48.2669, 46.8510,
55.4844

■ 18.1694, 32.2105,
14.5281

■ 54.4874, 49.9081,
62.5378

■ 17.1982, 31.7602,
12.2077

■ 61.3641, 53.2920,
70.1393

■ 16.5528, 31.4697,
10.2686

■ 68.9156, 57.0122,
78.3007

■ 16.4047, 31.4035,
9.8021

■ 71.8975, 58.3647,
86.7868

■ 73.6019, 59.0464,
95.7618

Harmonies

Analogous

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



31.7932, 37.6842, 25.8723



29.5383, 37.6842, 32.5050



28.9185, 37.6842, 42.6637

Triad

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



29.5383, 37.6842, 32.5050



36.3831, 37.6842, 66.0697



42.2978, 37.6842, 30.1743

Complementary

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



29.5383, 37.6842, 32.5050



31.8830, 27.1726, 36.3671

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.



43.7352, 37.6842, 39.4418



29.5383, 37.6842, 32.5050



40.1683, 37.6842, 61.1896

Square

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



29.5383, 37.6842, 32.5050



32.7015, 37.6842, 63.3164



42.9294, 37.6842, 50.9326



39.1258, 37.6842, 24.7058

Rectangle

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



29.5383, 37.6842, 32.5050



29.4757, 37.6842, 50.4285



42.9294, 37.6842, 50.9326



43.0099, 37.6842, 32.8813

Sweetspot

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



29.5393, 37.6858, 32.5058



67.6701, 75.2285, 77.0384



33.7608, 40.0023, 26.3645



14.3991, 16.1731, 16.3664



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.



29.5393, 37.6858, 32.5058



49.7377, 66.4820, 53.7047



31.5713, 38.4986, 43.2063



8.5092, 9.5382, 9.6749



12.0614, 23.0505, 7.3263



0.4079, 0.7366, 0.3800

Inverse Universe

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



31.8830, 27.1726, 36.3671



54.7310, 44.0706, 61.9212



30.0121, 26.4243, 26.5149



8.7197, 8.5946, 10.0223



15.3802, 7.6696, 12.4279



0.5104, 0.2519, 0.5305

Previews

White Background



This preview shows how the XYZ color 29.5383, 37.6842, 32.5050 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 29.5383, 37.6842, 32.5050 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 29.5383, 37.6842, 32.5050

Background



This preview shows how black text looks on a background with the XYZ color 29.5383, 37.6842, 32.5050.



This preview shows how white text looks on a background with the XYZ color 29.5383, 37.6842,

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

29.5383, 37.6842, 32.5050

Protanopia

35.1692, 37.2992, 29.7720

Deuteranopia

38.0727, 37.4053, 33.6471



Tritanopia

33.3680, 37.8208, 50.8889

Trichromacy



Original Color

29.5383, 37.6842, 32.5050

Protanomaly

32.7150, 37.0964, 30.6354

Deuteranomaly

34.3175, 37.0477, 33.3592

Tritanomaly

31.8721, 37.7760, 43.6419

Monochromacy



Original Color

29.5383, 37.6842, 32.5050

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.2375, 35.4132, 35.3260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5383, 37.6842, 32.5050 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(128, 176, 145)` looks like.

```
.text, #text, p{  
    color:rgb(128, 176, 145)  
}
```

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(128, 176, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 176, 145) }
```

Border

The CSS property to change the border of an element to XYZ 29.5383, 37.6842, 32.5050 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(128, 176, 145) }
```


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

```
.border{ border-color:rgb(128, 176, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 176, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 176, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 176, 145);  
box-shadow:4px 4px 4px 4px rgb(128, 176,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5383, 37.6842, 32.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 176, 145) }
```

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

```
.background{ background-color: rgb(128,  
176, 145) }
```

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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