

Converting Colors

XYZ(31.2802, 42.1364, 23.2834)

Have a look what the booklet for
XYZ(31.2802, 42.1364, 23.2834)
contains.

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Color

**XYZ(31.2977, 42.1434,
23.3145)**

Conversions

Conversions Part 1

Format	Color
Hex	89BB75
RGB	137, 187, 117
RGB Percent	54%, 73%, 46%
CMY	0.4627, 0.2667, 0.5412
CMYK	0.27, 0.00, 0.37, 0.27
HSL	103°, 34%, 60%
HSV	103°, 37%, 73%
XYZ	31.2977, 42.1434, 23.3145
YIQ	164.0700, -7.3300, -32.3700

Conversions

Conversions Part 2

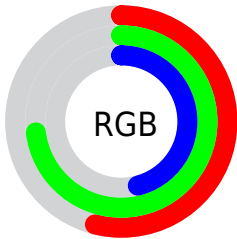
Format	Color
RYB	117, 187, 167
Decimal	9026421
CIELab	70.97, -29.60, 30.30
CIELCh	71, 42.354, 134.332
Yxy	42.1434, 0.3235, 0.4356
Android (android.graphics.Color)	4287216501 (0xFF89BB75)
YUV	164.0700, -23.2055, -23.7404
Hunter-Lab	64.9179, -27.5495, 24.1493

Details

The XYZ color **31.2977, 42.1434, 23.3145** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **31.2692, 24.5272, 50.1022**, and the grayscale version is **35.4303, 37.2755, 40.5930**.

A 20% lighter version of the original color is **61.0445, 78.2099, 49.9089**, and **13.1772, 19.1237, 8.4656** is the 20% darker color. If you saturate the color by 10%, you get **28.2506, 40.6884, 17.9947**, and if you desaturate by 10%, it is **34.8377, 43.8296, 29.8056**.

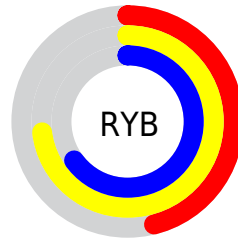
Distribution



Red (54%)

Green (73%)

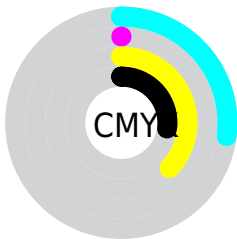
Blue (46%)



Red (46%)

Yellow (73%)

Blue (65%)

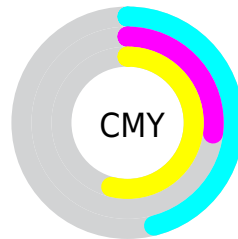


Cyan (27%)

Magenta (0%)

Yellow (37%)

Black (27%)



Cyan (46%)

Magenta (27%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2977, 42.1434, 23.3145 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 31.2977, 42.1434, 23.3145 by changing the saturation by 10% instead.

■ 31.2977, 42.1434,
23.3145

■ 31.2977, 42.1434,
23.3145

299.7099,
355.0770, 282.5103

■ 20.9786, 29.2136,
14.6184

■ 61.0811, 78.4166,
49.8389

■ 13.2207, 19.2425,
8.4084

■ 81.2761, 102.5288,
68.5044

■ 7.6588, 11.8456,
4.2659

■ 105.4938,
131.1372, 91.3301

■ 3.9273, 6.6386,
1.7723

134.0996,
164.6263, 118.7345

■ 1.6611, 3.2372,
0.4096

167.4587,
203.3805, 151.1361

■ 0.4317, 1.2568,
0.0000

205.9366,

■ 0.0000, 0.1073,

247.7840, 188.9537

0.0000

249.8985,
298.2214, 232.6055

■ 0.0000, 0.0000,
0.0000

■ 31.2977, 42.1434,
23.3145

■ 31.2977, 42.1434,
23.3145

■ 28.2506, 40.6884,
17.9947

■ 34.8377, 43.8296,
29.8056

■ 25.6703, 39.4490,
13.7738

■ 38.8889, 45.7513,
37.5292

■ 23.5327, 38.4156,
10.5755


■ 43.4724, 47.9194,
46.5456


■ 21.8103, 37.5760,
8.3127


■ 48.6073, 50.3424,
56.9103

■ 20.4719, 36.9162,
6.8837


■ 54.3115, 53.0285,
68.6755


 19.4764, 36.4185,
6.1408

 60.6021, 55.9855,
81.8907

 19.2618, 36.3108,
5.9935

 67.4957, 59.2208,
96.6029

 73.0826, 61.9714,
102.7175

 77.0612, 64.0224,
102.9037

Harmonies

Analogous

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



36.7884, 42.1434, 17.5831



31.2977, 42.1434, 23.3145



28.3541, 42.1434, 36.1665

Triad

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



31.2977, 42.1434, 23.3145



36.5001, 42.1434, 94.4304



54.7030, 42.1434, 36.9193

Complementary

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



31.2977, 42.1434, 23.3145



31.2692, 24.5272, 50.1022

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.



54.6021, 42.1434, 57.2097



31.2977, 42.1434, 23.3145



43.5116, 42.1434, 94.8108

Square

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



31.2977, 42.1434, 23.3145



31.1081, 42.1434, 78.7753



50.3126, 42.1434, 79.6987



50.5738, 42.1434, 23.7254

Rectangle

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



31.2977, 42.1434, 23.3145



27.9858, 42.1434, 48.8869



50.3126, 42.1434, 79.6987



55.1767, 42.1434, 43.0124

Sweetspot

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



31.2988, 42.1452, 23.3154



74.6677, 84.3127, 77.0352



37.3424, 39.1234, 22.4136



16.1955, 18.4500, 16.4767



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.2988, 42.1452, 23.3154



51.4651, 73.2862, 33.7096



29.2045, 40.9632, 27.8410



9.6579, 10.7781, 10.1480



13.3334, 25.0495, 4.1323



0.5890, 1.0156, 0.1650

Inverse Universe

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



31.2692, 24.5272, 50.1022



51.3794, 37.1307, 88.6604



34.3992, 26.3056, 42.8015



9.6571, 9.5556, 12.0076



12.9817, 5.9784, 32.8626



0.5698, 0.2658, 1.2901

Previews

White Background



This preview shows how the XYZ color 31.2977, 42.1434, 23.3145 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 31.2977, 42.1434, 23.3145 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 31.2977, 42.1434, 23.3145

Background



This preview shows how black text looks on a background with the XYZ color 31.2977, 42.1434, 23.3145.



This preview shows how white text looks on a background with the XYZ color 31.2977, 42.1434,

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

31.2977, 42.1434, 23.3145

Protanopia

38.5519, 41.7262, 21.0610

Deuteranopia

42.6027, 41.7994, 24.2350



Tritanopia

37.8292, 42.0361, 55.9891

Trichromacy



Original Color

31.2977, 42.1434, 23.3145

Protanomaly

35.2632, 41.4681, 21.7684

Deuteranomaly

37.5823, 41.4519, 23.7895

Tritanomaly

34.9925, 41.7841, 41.8181

Monochromacy



Original Color

31.2977, 42.1434, 23.3145

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.3454, 38.4817, 33.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2977, 42.1434, 23.3145 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(137, 187, 117)` looks like.

```
.text, #text, p{  
    color:rgb(137, 187, 117)  
}
```

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(137, 187, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 187, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.2977, 42.1434, 23.3145 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(137, 187, 117) }
```


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

```
.border{ border-color:rgb(137, 187, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 187, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 187, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 187, 117);  
box-shadow:4px 4px 4px 4px rgb(137, 187,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2977, 42.1434, 23.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 187, 117) }
```

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

```
.background{ background-color: rgb(137,  
187, 117) }
```

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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