

Converting Colors

XYZ(31.2406, 27.6783, 42.3994)

Have a look what the booklet for
XYZ(31.2406, 27.6783, 42.3994)
contains.

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Color

**XYZ(31.2553, 27.7147,
42.2302)**

Conversions

Conversions Part 1

Format	Color
Hex	A585AB
RGB	165, 133, 171
RGB Percent	65%, 52%, 67%
CMY	0.3529, 0.4784, 0.3294
CMYK	0.04, 0.22, 0.00, 0.33
HSL	291°, 18%, 60%
HSV	291°, 22%, 67%
XYZ	31.2553, 27.7147, 42.2302
YIQ	146.9000, 6.8740, 18.6020

Conversions

Conversions Part 2

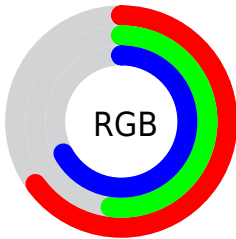
Format	Color
RYB	165, 133, 171
Decimal	10847659
CIELab	59.63, 19.12, -15.46
CIELCh	60, 24.590, 321.053
Yxy	27.7147, 0.3088, 0.2739
Android (android.graphics.Color)	4289037739 (0xFFA585AB)
YUV	146.9000, 11.8813, 15.8737
Hunter-Lab	52.6448, 13.8475, -10.7095

Details

The XYZ color **31.2553, 27.7147, 42.2302** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.4450, 36.3089, 27.6481**, and the grayscale version is **27.6431, 29.0827, 31.6710**.

A 20% lighter version of the original color is **60.8016, 55.8244, 79.5221**, and **13.2331, 11.0291, 18.8841** is the 20% darker color. If you saturate the color by 10%, you get **28.5467, 23.1219, 41.4869**, and if you desaturate by 10%, it is **34.3586, 33.0783, 43.1023**.

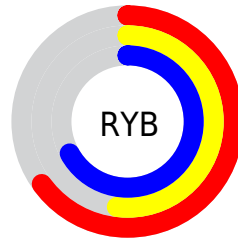
Distribution



Red (65%)

Green (52%)

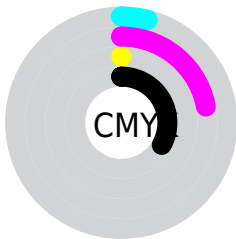
Blue (67%)



Red (65%)

Yellow (52%)

Blue (67%)

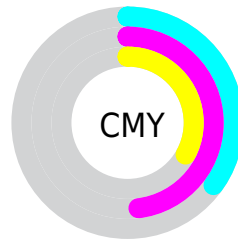


Cyan (4%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (48%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2553, 27.7147, 42.2302 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 31.2553, 27.7147, 42.2302 by changing the saturation by 10% instead.

■ 31.2553, 27.7147,
42.2302

■ 31.2553, 27.7147,
42.2302

299.5187,
291.1011, 371.2641

■ 20.9461, 18.1107,
28.9547

■ 61.0149, 56.0286,
79.8218

■ 13.1969, 11.0295,
18.8012

■ 81.1960, 75.5073,
104.9749

■ 7.6422, 6.0867,
11.3514

■ 105.3985, 99.0464,
134.9242

■ 3.9167, 2.8979,
6.1866

133.9877,
127.0303, 170.0884

■ 1.6551, 1.0786,
2.8882

167.3290,
159.8433, 210.8860

■ 0.4279, 0.0000,
1.0379

205.7876,

■ 0.0000, 0.0000,

197.8698, 257.7354

0.0000

249.7291,
241.4943, 311.0553

■ 31.2553, 27.7147,
42.2302

■ 31.2553, 27.7147,
42.2302

■ 28.5467, 23.1219,
41.4869

■ 34.3586, 33.0783,
43.1023

■ 26.2117, 19.2594,
40.8644

■ 37.8713, 39.2434,
44.1072

■ 24.2312, 16.0885,
40.3567

■ 41.8105, 46.2435,
45.2507

■ 22.5832, 13.5654,
39.9566

■ 46.1913, 54.1092,
46.5381

■ 21.2433, 11.6412,
39.6558

■ 51.0284, 62.8694,
47.9740

■ 20.1836, 10.2603,
39.4451

■ 56.3357, 72.5517,
49.5632

■ 19.3707, 9.3563,
39.3135

■ 62.1263, 83.1825,
51.3099

■ 18.8526, 8.8697,
39.2469

■ 63.5068, 84.9749,
51.5831

■ 64.1718, 85.3177,
51.6142

Harmonies

Analogous

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



28.5419, 27.7147, 49.0771



31.2553, 27.7147, 42.2302



32.6801, 27.7147, 32.9102

Triad

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



31.2553, 27.7147, 42.2302



27.2799, 27.7147, 16.2590



21.1614, 27.7147, 36.7342

Complementary

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



31.2553, 27.7147, 42.2302



29.4450, 36.3089, 27.6481

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.



20.8814, 27.7147, 27.5988



31.2553, 27.7147, 42.2302



24.2581, 27.7147, 16.8838

Square

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



31.2553, 27.7147, 42.2302



30.2695, 27.7147, 18.7514



21.9726, 27.7147, 20.6671



22.7698, 27.7147, 45.4963

Rectangle

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



31.2553, 27.7147, 42.2302



32.6362, 27.7147, 27.0205



21.9726, 27.7147, 20.6671



20.9140, 27.7147, 33.5694

Sweetspot

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



31.2562, 27.7159, 42.2308



64.6466, 64.6849, 78.0801



26.3057, 26.4900, 42.2551



14.3366, 14.2849, 17.3893



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.2562, 27.7159, 42.2308



53.3410, 45.1445, 74.9043



31.3833, 27.9143, 36.2331



8.2110, 8.0831, 10.0801



14.2484, 6.7052, 29.5878



0.4291, 0.2034, 0.8246

Inverse Universe

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



29.8433, 27.2983, 28.1235



50.3795, 44.2850, 44.6249



29.3992, 36.1780, 32.4931



8.0549, 8.0352, 8.5999



12.8230, 6.5917, 1.4473



0.3721, 0.1895, 0.1210

Previews

White Background



This preview shows how the XYZ color 31.2553, 27.7147, 42.2302 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 31.2553, 27.7147, 42.2302 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 31.2553, 27.7147, 42.2302

Background



This preview shows how black text looks on a background with the XYZ color 31.2553, 27.7147, 42.2302.



This preview shows how white text looks on a background with the XYZ color 31.2553, 27.7147,

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

31.2553, 27.7147, 42.2302

Protanopia

27.7622, 27.7546, 45.4889

Deuteranopia

28.3108, 27.6782, 41.8805



Tritanopia

29.1912, 27.7108, 31.8272

Trichromacy



Original Color

31.2553, 27.7147, 42.2302

Protanomaly

29.0031, 27.7634, 44.3877

Deuteranomaly

29.1503, 27.4690, 41.7959

Tritanomaly

29.9092, 27.7951, 35.2411

Monochromacy



Original Color

31.2553, 27.7147, 42.2302

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.0002, 28.6163, 35.4475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2553, 27.7147, 42.2302 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(165, 133, 171)` looks like.

```
.text, #text, p{  
    color:rgb(165, 133, 171)  
}
```

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(165, 133, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 133, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.2553, 27.7147, 42.2302 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(165, 133, 171) }
```


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

```
.border{ border-color:rgb(165, 133, 171) }
```

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

Here you see how a box with a 4 pixel rgb(165, 133, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 133, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 133, 171);  
box-shadow:4px 4px 4px 4px rgb(165, 133,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2553, 27.7147, 42.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 133, 171) }
```

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

```
.background{ background-color: rgb(165,  
133, 171) }
```

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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