

Converting Colors

XYZ(31.2153, 43.0003, 28.9774)

Have a look what the booklet for
XYZ(31.2153, 43.0003, 28.9774)
contains.

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Color

**XYZ(31.1045, 42.8803,
28.8277)**

Conversions

Conversions Part 1

Format	Color
Hex	7DBE85
RGB	125, 190, 133
RGB Percent	49%, 75%, 52%
CMY	0.5098, 0.2549, 0.4784
CMYK	0.34, 0.00, 0.30, 0.25
HSL	127°, 33%, 62%
HSV	127°, 34%, 75%
XYZ	31.1045, 42.8803, 28.8277
YIQ	164.0670, -20.4430, -31.5070

Conversions

Conversions Part 2

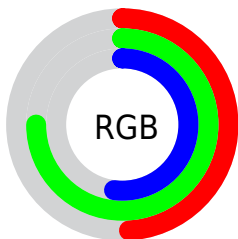
Format	Color
RYB	125, 183, 190
Decimal	8240773
CIELab	71.47, -32.48, 22.39
CIElCh	71, 39.452, 145.418
Yxy	42.8803, 0.3025, 0.4171
Android (android.graphics.Color)	4286430853 (0xFF7DBE85)
YUV	164.0670, -15.3160, -34.2618
Hunter-Lab	65.4831, -29.8077, 19.7368

Details

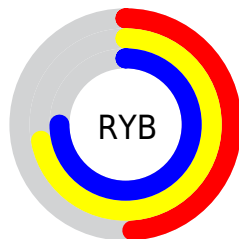
The XYZ color **31.1045, 42.8803, 28.8277** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **37.0136, 28.9926, 47.9027**, and the grayscale version is **35.3969, 37.2403, 40.5547**.

A 20% lighter version of the original color is **60.9461, 79.7700, 58.6393**, and **13.1131, 19.6493, 11.2852** is the 20% darker color. If you saturate the color by 10%, you get **27.5304, 41.1616, 23.1210**, and if you desaturate by 10%, it is **35.3940, 44.9491, 35.5229**.

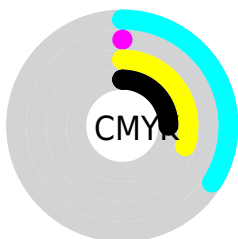
Distribution



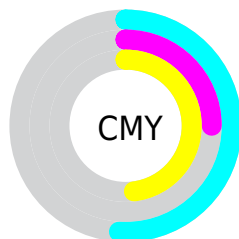
- Red (49%)
- Green (75%)
- Blue (52%)



- Red (49%)
- Yellow (72%)
- Blue (75%)



- Cyan (34%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)



- Cyan (51%)
- Magenta (25%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1045, 42.8803, 28.8277 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 31.1045, 42.8803, 28.8277 by changing the saturation by 10% instead.

■ 31.1045, 42.8803,
28.8277

■ 31.1045, 42.8803,
28.8277

298.8377,
358.1193, 310.4366

■ 20.8307, 29.7912,
18.7061

■ 60.7793, 79.5302,
58.8421

■ 13.1120, 19.6802,
11.2834

■ 80.9109, 103.8598,
79.5720

■ 7.5833, 12.1628,
6.1412

■ 105.0592,
132.7050, 104.6751

■ 3.8790, 6.8546,
2.8610

133.5895,
166.4502, 134.5698

■ 1.6339, 3.3714,
1.0241

166.8671,
205.4799, 169.6748

■ 0.4144, 1.3285,
0.0000

205.2575,

■ 0.0000, 0.1631,

250.1784, 210.4085

0.0000

249.1259,
300.9300, 257.1896

■ 0.0000, 0.0000,
0.0000

■ 31.1045, 42.8803,
28.8277

■ 31.1045, 42.8803,
28.8277

■ 27.5304, 41.1616,
23.1210

■ 35.3940, 44.9491,
35.5229

■ 24.6295, 39.7687,
18.3532

■ 40.4317, 47.3804,
43.2474

■ 22.3601, 38.6823,
14.4750


■ 46.2520, 50.1922,
52.0429


■ 20.6748, 37.8791,
11.4311


■ 52.8866, 53.4001,
61.9483


■ 19.5188, 37.3322,
9.1602


■ 60.3651, 57.0185,
73.0003

 18.8272, 37.0097,
7.5925

 68.7159, 61.0614,
85.2340

 18.5728, 36.8920,
6.9731

 76.8522, 64.9677,
98.6309

 77.7043, 65.3086,
103.1181

Harmonies

Analogous

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



35.5080, 42.8803, 20.7989



31.1045, 42.8803, 28.8277



29.2874, 42.8803, 43.8230

Triad

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



31.1045, 42.8803, 28.8277



39.7429, 42.8803, 93.5641



53.4383, 42.8803, 32.6623

Complementary

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



31.1045, 42.8803, 28.8277



37.0136, 28.9926, 47.9027

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.



54.8857, 42.8803, 49.6780



31.1045, 42.8803, 28.8277



46.4981, 42.8803, 88.2179

Square

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



31.1045, 42.8803, 28.8277



33.9176, 42.8803, 83.8194



52.2232, 42.8803, 70.7266



48.4578, 42.8803, 22.5533

Rectangle

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



31.1045, 42.8803, 28.8277



29.6253, 42.8803, 57.1237



52.2232, 42.8803, 70.7266



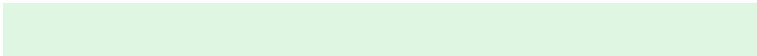
54.3757, 42.8803, 37.6100

Sweetspot

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



31.1056, 42.8821, 28.8287



77.3616, 87.8350, 84.5833



41.5068, 48.3056, 26.5386



16.6658, 19.1322, 18.0859



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.1056, 42.8821, 28.8287



51.4184, 75.3241, 44.3663



33.6712, 43.9083, 42.3389



9.4553, 10.6682, 10.3811



12.3654, 24.5365, 4.7212



0.5002, 0.9675, 0.2685

Inverse Universe

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



37.0136, 28.9926, 47.9027



63.7266, 46.3665, 84.0875



34.0683, 27.8145, 32.3929



9.8780, 9.6755, 11.7467



18.7541, 9.1328, 25.0626



0.7490, 0.3635, 1.0575

Previews

White Background



This preview shows how the XYZ color 31.1045, 42.8803, 28.8277 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 31.1045, 42.8803, 28.8277 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 31.1045, 42.8803, 28.8277

Background



This preview shows how black text looks on a background with the XYZ color 31.1045, 42.8803, 28.8277.



This preview shows how white text looks on a background with the XYZ color 31.1045, 42.8803,

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

31.1045, 42.8803, 28.8277

Protanopia

39.3955, 42.3433, 25.8354

Deuteranopia

43.0348, 42.1689, 29.9160



Tritanopia

37.0083, 42.7598, 58.5275

Trichromacy



Original Color

31.1045, 42.8803, 28.8277

Protanomaly

35.5935, 42.1200, 27.0229

Deuteranomaly

37.4531, 41.5515, 29.3388

Tritanomaly

34.5647, 42.7016, 45.9556

Monochromacy



Original Color

31.1045, 42.8803, 28.8277

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.2710, 38.6711, 35.8477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1045, 42.8803, 28.8277 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(125, 190, 133)` looks like.

```
.text, #text, p{  
    color:rgb(125, 190, 133)  
}
```

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(125, 190, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 190, 133) }
```

Border

The CSS property to change the border of an element to XYZ 31.1045, 42.8803, 28.8277 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(125, 190, 133) }
```


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

```
.border{ border-color:rgb(125, 190, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 190, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 190, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 190, 133);  
box-shadow:4px 4px 4px 4px rgb(125, 190,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1045, 42.8803, 28.8277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 190, 133) }
```

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

```
.background{ background-color: rgb(125,  
190, 133) }
```

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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