

Converting Colors

XYZ(28.3043, 29.5891, 33.6390)

Have a look what the booklet for
XYZ(28.3043, 29.5891, 33.6390)
contains.

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Color

**XYZ(28.3886, 29.7101,
33.5165)**

Conversions

Conversions Part 1

Format	Color
Hex	949497
RGB	148, 148, 151
RGB Percent	58%, 58%, 59%
CMY	0.4196, 0.4196, 0.4078
CMYK	0.02, 0.02, 0.00, 0.41
HSL	240°, 1%, 59%
HSV	240°, 2%, 59%
XYZ	28.3886, 29.7101, 33.5165
YIQ	148.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

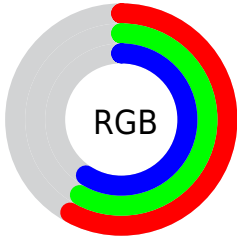
Format	Color
R_{YB}	148, 148, 151
Decimal	9737367
CIE Lab	61.40, 0.59, -1.59
CIE LCh	61, 1.692, 290.399
Yxy	29.7101, 0.3099, 0.3243
Android (android.graphics.Color)	4287927447 (0xFF949497)
YUV	148.3420, 1.3104, -0.2999
Hunter-Lab	54.5070, -2.4199, 1.6973

Details

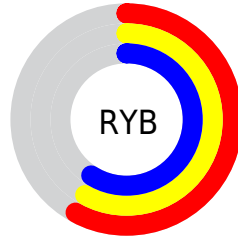
The XYZ color **28.3886, 29.7101, 33.5165** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1745, 30.8503, 32.4346**, and the grayscale version is **28.2868, 29.7600, 32.4086**.

A 20% lighter version of the original color is **56.4971, 59.2054, 66.2077**, and **11.5047, 12.0109, 13.7686** is the 20% darker color. If you saturate the color by 10%, you get **23.6192, 23.9648, 32.6594**, and if you desaturate by 10%, it is **33.8246, 36.2587, 34.4945**.

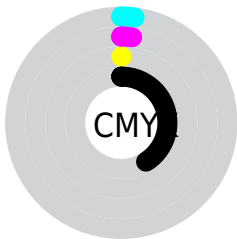
Distribution



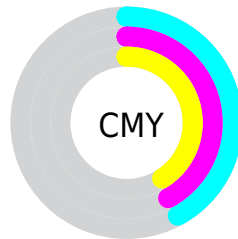
- Red (58%)
- Green (58%)
- Blue (59%)



- Red (58%)
- Yellow (58%)
- Blue (59%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (41%)



- Cyan (42%)
- Magenta (42%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3886, 29.7101, 33.5165 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 28.3886, 29.7101, 33.5165 by changing the saturation by 10% instead.

■ 28.3886, 29.7101,
33.5165

■ 28.3886, 29.7101,
33.5165

286.3657,
300.5508, 332.6738

■ 18.7607, 19.6186,
22.2481

■ 56.5086, 59.2034,
66.3064

■ 11.6005, 12.1181,
13.8392

■ 75.7314, 79.3741,
88.6648

■ 6.5425, 6.8242,
7.8715

98.8833, 103.6733,
115.5571

■ 3.2215, 3.3524,
3.9262

126.3296,
132.4853, 147.4017

■ 1.2719, 1.3184,
1.5850

158.4356,
166.1948, 184.6171

■ 0.1621, 0.1554,
0.2800

195.5667,

■ 0.0000, 0.0000,

205.1859, 227.6219

0.0000

238.0883,
249.8431, 276.8346

■ 28.3886, 29.7101,
33.5165

■ 28.3886, 29.7101,
33.5165

■ 23.6192, 23.9648,
32.6594

■ 33.8246, 36.2587,
34.4945

■ 19.4883, 18.9882,
31.9165

■ 39.9487, 43.6359,
35.5956

■ 15.9696, 14.7489,
31.2837

■ 46.7847, 51.8704,
36.8247

■ 13.0339, 11.2118,
30.7557

■ 54.3546, 60.9887,
38.1858

■ 10.6498, 8.3391,
30.3269

■ 62.6791, 71.0159,
39.6825

■ 8.7829, 6.0894,
29.9910

■ 71.7785, 81.9763,
41.3184

■ 7.3949, 4.4164,
29.7413

■ 81.6721, 93.8932,
43.0972

■ 6.4421, 3.2677,
29.5698

■ 82.5860, 95.0144,
43.2654

■ 5.8730, 2.5813,
29.4673

Harmonies

Analogous

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



28.1669, 29.7101, 33.5779



28.3886, 29.7101, 33.5165



28.5709, 29.7101, 33.1401

Triad

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



28.3886, 29.7101, 33.5165



28.5134, 29.7101, 31.4103



27.8170, 29.7101, 32.1444

Complementary

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



28.3886, 29.7101, 33.5165



29.1745, 30.8503, 32.4346

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.



27.9088, 29.7101, 31.5711



28.3886, 29.7101, 33.5165



28.3103, 29.7101, 31.1509

Square

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



28.3886, 29.7101, 33.5165



28.6432, 29.7101, 31.9222



28.0890, 29.7101, 31.2094



27.8377, 29.7101, 32.7801

Rectangle

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



28.3886, 29.7101, 33.5165



28.6453, 29.7101, 32.7639



28.0890, 29.7101, 31.2094



27.8357, 29.7101, 31.9381

Sweetspot

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



28.3894, 29.7114, 33.5171



51.7294, 54.2785, 60.1840



28.8617, 30.6623, 33.6545



11.7705, 12.3526, 13.6814



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



28.3894, 29.7114, 33.5171



50.7925, 53.1499, 60.0156



28.6530, 29.8467, 33.5294



6.7354, 7.0517, 7.9351



4.7533, 1.9032, 25.0245



0.0712, 0.0286, 0.3741

Inverse Universe

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



28.6984, 29.8979, 32.2768



51.3605, 53.4927, 57.7352



28.9074, 30.7132, 32.4222



6.8034, 7.0928, 7.6619



10.8580, 5.5974, 0.5113



0.1624, 0.0837, 0.0079

Previews

White Background



This preview shows how the XYZ color 28.3886, 29.7101, 33.5165 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 28.3886, 29.7101, 33.5165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

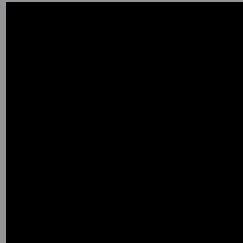
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

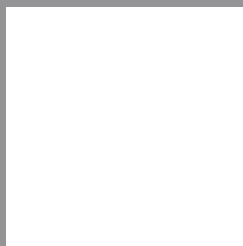
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3886, 29.7101, 33.5165

Background



This preview shows how black text looks on a background with the XYZ color 28.3886, 29.7101, 33.5165.



This preview shows how white text looks on a background with the XYZ color 28.3886, 29.7101,

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

28.3886, 29.7101, 33.5165

Protanopia

28.5973, 29.5858, 33.4816

Deuteranopia

30.3387, 29.7906, 33.8569



Tritanopia

28.9997, 29.7256, 36.5569

Trichromacy



Original Color

28.3886, 29.7101, 33.5165

Protanomaly

28.4141, 29.4914, 33.4730

Deuteranomaly

29.5032, 29.5857, 33.8614

Tritanomaly

28.7445, 29.6236, 35.2133

Monochromacy



Original Color

28.3886, 29.7101, 33.5165

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2275, 29.6456, 32.6682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3886, 29.7101, 33.5165 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(148, 148, 151)` looks like.

```
.text, #text, p{  
    color:rgb(148, 148, 151)  
}
```

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(148, 148, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 148, 151) }
```

Border

The CSS property to change the border of an element to XYZ 28.3886, 29.7101, 33.5165 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(148, 148, 151) }
```


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

```
.border{ border-color:rgb(148, 148, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 148, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 148, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 148, 151);  
box-shadow:4px 4px 4px 4px rgb(148, 148,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3886, 29.7101, 33.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 148, 151) }
```

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

```
.background{ background-color: rgb(148,  
148, 151) }
```

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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