

Converting Colors

XYZ(29.8741, 33.6482, 42.1127)

Have a look what the booklet for
XYZ(29.8741, 33.6482, 42.1127)
contains.

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Color

**XYZ(29.9799, 33.8187,
41.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	87A2A8
RGB	135, 162, 168
RGB Percent	53%, 64%, 66%
CMY	0.4706, 0.3647, 0.3412
CMYK	0.20, 0.04, 0.00, 0.34
HSL	191°, 16%, 59%
HSV	191°, 20%, 66%
XYZ	29.9799, 33.8187, 41.9933
YIQ	154.6110, -18.0180, -3.8580

Conversions

Conversions Part 2

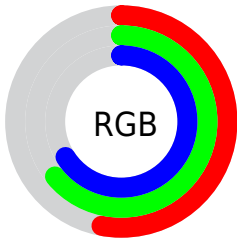
Format	Color
RYB	135, 150, 168
Decimal	8889000
CIELab	64.82, -8.00, -6.24
CIElCh	65, 10.144, 217.951
Yxy	33.8187, 0.2834, 0.3197
Android (android.graphics.Color)	4287079080 (0xFF87A2A8)
YUV	154.6110, 6.6008, -17.1988
Hunter-Lab	58.1538, -9.7476, -2.1060

Details

The XYZ color **29.9799, 33.8187, 41.9933** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.0468, 29.1239, 26.9603**, and the grayscale version is **30.9622, 32.5746, 35.4738**.

A 20% lighter version of the original color is **59.1184, 65.7722, 79.3915**, and **12.4746, 14.3441, 18.6342** is the 20% darker color. If you saturate the color by 10%, you get **26.9562, 31.4719, 41.7002**, and if you desaturate by 10%, it is **33.4452, 36.4143, 42.3122**.

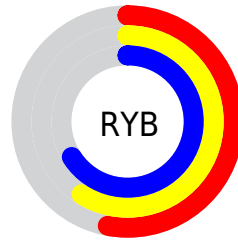
Distribution



Red (53%)

Green (64%)

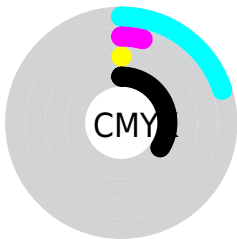
Blue (66%)



Red (53%)

Yellow (59%)

Blue (66%)

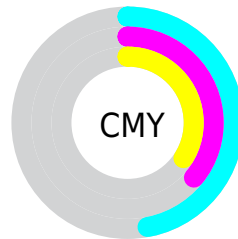


Cyan (20%)

Magenta (4%)

Yellow (0%)

Black (34%)



Cyan (47%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9799, 33.8187, 41.9933 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 29.9799, 33.8187, 41.9933 by changing the saturation by 10% instead.

■ 29.9799, 33.8187,
41.9933

■ 29.9799, 33.8187,
41.9933

293.7223,
319.3229, 370.2540

■ 19.9713, 22.7544,
28.7705

■ 59.0172, 65.6516,
79.4595

■ 12.4823, 14.4122,
18.6632

■ 78.7767, 87.1890,
104.5399

■ 7.1476, 8.4079,
11.2528

■ 102.5172,
112.9862, 134.4100

■ 3.6017, 4.3571,
6.1209

130.6041,
143.4276, 169.4883

■ 1.4794, 1.8752,
2.8487

163.4026,
178.8975, 210.1933

■ 0.3117, 0.5334,
1.0179

201.2783,

■ 0.0000, 0.0000,

219.7805, 256.9436

0.0000

244.5964,
266.4608, 310.1576

■ 29.9799, 33.8187,
41.9933

■ 29.9799, 33.8187,
41.9933

■ 26.9562, 31.4719,
41.7002

■ 33.4452, 36.4143,
42.3122

■ 24.3510, 29.3593,
41.4298

■ 37.3680, 39.2643,
42.6556

■ 22.1438, 27.4709,
41.1816

■ 41.7666, 42.3793,
43.0250

■ 20.3108, 25.7945,
40.9546

■ 46.6580, 45.7681,
43.4213

■ 18.8260, 24.3164,
40.7476

■ 52.0578, 49.4390,
43.8452

■ 17.6595, 23.0211,
40.5591

■ 57.9814, 53.3999,
44.2976

■ 16.7766, 21.8906,
40.3874

■ 64.4430, 57.6584,
44.7790

■ 16.1032, 20.8864,
40.2291

■ 65.9579, 59.3870,
45.0328

■ 16.0800, 20.8513,
40.2235

■ 66.6100, 60.6913,
45.2502

Harmonies

Analogous

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



29.4421, 33.8187, 37.9465



29.9799, 33.8187, 41.9933



31.1010, 33.8187, 44.7909

Triad

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



29.9799, 33.8187, 41.9933



34.8172, 33.8187, 39.9249



31.7568, 33.8187, 29.4186

Complementary

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



29.9799, 33.8187, 41.9933



30.0468, 29.1239, 26.9603

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.



33.2093, 33.8187, 29.8606



29.9799, 33.8187, 41.9933



35.0057, 33.8187, 35.7215

Square

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



29.9799, 33.8187, 41.9933



33.9017, 33.8187, 43.5351



34.4091, 33.8187, 32.0952



30.4475, 33.8187, 30.8385

Rectangle

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



29.9799, 33.8187, 41.9933



32.0434, 33.8187, 45.4585



34.4091, 33.8187, 32.0952



32.2441, 33.8187, 29.3565

Sweetspot

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



29.9809, 33.8201, 41.9941



63.1080, 67.8510, 76.9955



28.7655, 35.0650, 30.2575



13.6615, 14.7205, 16.7734



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.9809, 33.8201, 41.9941



51.6730, 59.2716, 75.9422



27.3391, 28.5365, 41.1135



7.6299, 8.2967, 9.6176



12.1770, 15.8142, 30.3861



0.3256, 0.4434, 0.7491

Inverse Universe

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



31.3348, 28.2622, 37.9876



54.6615, 47.2625, 67.0407



32.5792, 34.1887, 27.8044



7.7825, 7.6429, 9.1720



15.6470, 7.6675, 18.7504



0.3955, 0.1925, 0.5341

Previews

White Background



This preview shows how the XYZ color 29.9799, 33.8187, 41.9933 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 29.9799, 33.8187, 41.9933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

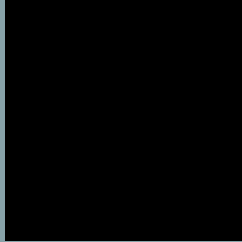
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9799, 33.8187, 41.9933

Background



This preview shows how black text looks on a background with the XYZ color 29.9799, 33.8187, 41.9933.

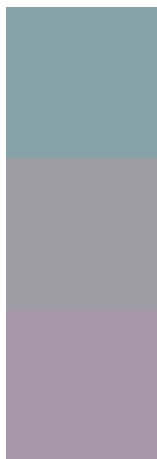


This preview shows how white text looks on a background with the XYZ color 29.9799, 33.8187,

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

29.9799, 33.8187, 41.9933

Protanopia

32.6899, 33.7264, 39.9089

Deuteranopia

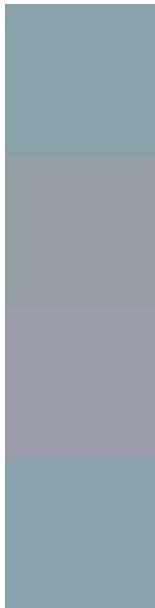
34.2098, 33.4657, 42.6867



Tritanopia

30.5382, 33.7800, 44.9551

Trichromacy



Original Color

29.9799, 33.8187, 41.9933

Protanomaly

31.5961, 33.6544, 40.4280

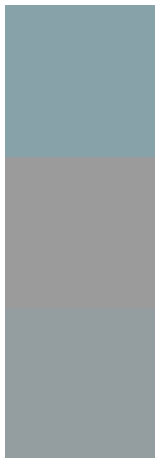
Deuteranomaly

32.5675, 33.6101, 42.3070

Tritanomaly

30.3446, 33.7025, 43.9356

Monochromacy



Original Color

29.9799, 33.8187, 41.9933

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.7848, 33.2877, 38.0603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9799, 33.8187, 41.9933 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(135, 162, 168)` looks like.

```
.text, #text, p{  
    color:rgb(135, 162, 168)  
}
```

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(135, 162, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 162, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.9799, 33.8187, 41.9933 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(135, 162, 168) }
```


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

```
.border{ border-color:rgb(135, 162, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 162, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 162, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 162, 168); box-shadow:4px 4px 4px 4px rgb(135, 162, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9799, 33.8187, 41.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 162, 168) }
```

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

```
.background{ background-color: rgb(135,  
162, 168) }
```

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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