

Converting Colors

XYZ(29.5110, 33.8513, 31.5268)

Have a look what the booklet for
XYZ(29.5110, 33.8513, 31.5268)
contains.

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Color

**XYZ(29.4560, 33.7836,
31.3539)**

Conversions

Conversions Part 1

Format	Color
Hex	90A290
RGB	144, 162, 144
RGB Percent	56%, 64%, 56%
CMY	0.4353, 0.3647, 0.4353
CMYK	0.11, 0.00, 0.11, 0.36
HSL	120°, 9%, 60%
HSV	120°, 11%, 64%
XYZ	29.4560, 33.7836, 31.3539
YIQ	154.5660, -4.9500, -9.4140

Conversions

Conversions Part 2

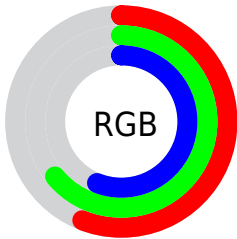
Format	Color
RYB	144, 162, 162
Decimal	9478800
CIELab	64.79, -9.87, 7.22
CIELCh	65, 12.233, 143.810
Yxy	33.7836, 0.3114, 0.3571
Android (android.graphics.Color)	4287668880 (0xFF90A290)
YUV	154.5660, -5.2090, -9.2664
Hunter-Lab	58.1237, -11.2559, 8.7035

Details

The XYZ color **29.4560, 33.7836, 31.3539** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3964, 30.2374, 38.3658**, and the grayscale version is **30.9887, 32.6025, 35.5041**.

A 20% lighter version of the original color is **58.2946, 65.7087, 63.0367**, and **12.2124, 14.3397, 12.7139** is the 20% darker color. If you saturate the color by 10%, you get **25.6763, 31.9690, 25.1708**, and if you desaturate by 10%, it is **33.8213, 35.8815, 38.4935**.

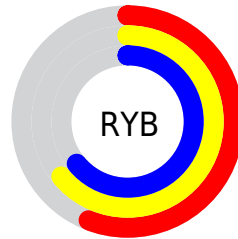
Distribution



Red (56%)

Green (64%)

Blue (56%)



Red (56%)

Yellow (64%)

Blue (64%)

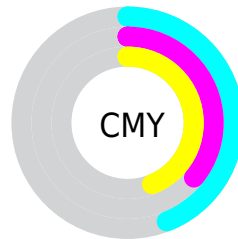


Cyan (11%)

Magenta (0%)

Yellow (11%)

Black (36%)



Cyan (44%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4560, 33.7836, 31.3539 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 29.4560, 33.7836, 31.3539 by changing the saturation by 10% instead.

■ 29.4560, 33.7836,
31.3539

■ 29.4560, 33.7836,
31.3539

291.3160,
319.1661, 322.5670

■ 19.5721, 22.7274,
20.6078

■ 58.1934, 65.5970,
62.8829

■ 12.1908, 14.3924,
12.6491

■ 77.7775, 87.1230,
84.5029

■ 6.9469, 8.3941,
7.0595

101.3257,
112.9077, 110.5845

■ 3.4749, 4.3481,
3.4203

129.2034,
143.3356, 141.5464

■ 1.4096, 1.8701,
1.3131

161.7760,
178.7909, 177.8070

■ 0.2631, 0.5303,
0.0725

199.4087,

■ 0.0000, 0.0000,

219.6582, 219.7850

0.0000

242.4669,
266.3218, 267.8988

■ 29.4560, 33.7836,
31.3539

■ 29.4560, 33.7836,
31.3539

■ 25.6763, 31.9690,
25.1708

■ 33.8213, 35.8815,
38.4935

■ 22.4548, 30.4216,
19.9013

■ 38.7928, 38.2695,
46.6252

■ 19.7658, 29.1299,
15.5029

■ 44.3934, 40.9598,
55.7860

■ 17.5806, 28.0803,
11.9287

■ 50.6439, 43.9622,
66.0099

■ 15.8680, 27.2576,
9.1274

■ 57.5643, 47.2864,
77.3295

■ 14.5931, 26.6452,
7.0420

■ 65.1737, 50.9416,
89.7761

■ 13.7161, 26.2239,
5.6076

■ 72.2110, 54.3220,
101.2870

■ 13.1903, 25.9714,
4.7476

■ 12.9210, 25.8420,
4.3070

Harmonies

Analogous

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



30.7635, 33.7836, 28.6116



29.4560, 33.7836, 31.3539



28.8623, 33.7836, 35.7495

Triad

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



29.4560, 33.7836, 31.3539



31.7468, 33.7836, 47.2849



35.3067, 33.7836, 33.0093

Complementary

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



29.4560, 33.7836, 31.3539



31.3964, 30.2374, 38.3658

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.



35.5933, 33.7836, 37.8395



29.4560, 33.7836, 31.3539



33.4958, 33.7836, 46.3824

Square

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



29.4560, 33.7836, 31.3539



30.1534, 33.7836, 45.1734



34.9194, 33.7836, 42.8087



34.1501, 33.7836, 29.5045

Rectangle

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



29.4560, 33.7836, 31.3539



28.9351, 33.7836, 39.1467



34.9194, 33.7836, 42.8087



35.5097, 33.7836, 34.5195

Sweetspot

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



29.4569, 33.7850, 31.3546



59.7717, 64.3564, 67.2197



32.8562, 35.5374, 31.5137



13.2795, 14.3845, 14.8602



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.4569, 33.7850, 31.3546



51.9217, 60.5856, 54.3796



30.1728, 34.0714, 35.1242



6.9856, 7.8950, 7.5358



10.1790, 20.3579, 3.3930



0.2139, 0.4278, 0.0713

Inverse Universe

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



31.3964, 30.2374, 38.3658



56.0588, 53.0182, 69.3350



30.6245, 29.9286, 34.3008



7.3644, 7.2022, 8.9051



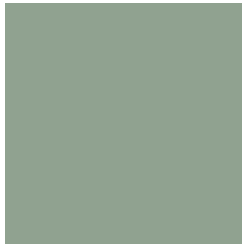
16.8767, 8.1067, 27.6050



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 29.4560, 33.7836, 31.3539 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 29.4560, 33.7836, 31.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

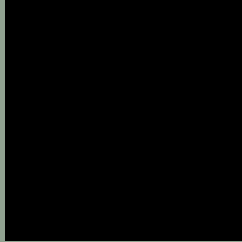
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4560, 33.7836, 31.3539

Background



This preview shows how black text looks on a background with the XYZ color 29.4560, 33.7836, 31.3539.



This preview shows how white text looks on a background with the XYZ color 29.4560, 33.7836,

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

29.4560, 33.7836, 31.3539

Protanopia

31.8004, 33.4866, 29.9868

Deuteranopia

34.1594, 33.4386, 31.8480



Tritanopia

31.7903, 33.6899, 43.3553

Trichromacy



Original Color

29.4560, 33.7836, 31.3539

Protanomaly

30.8196, 33.4746, 30.4281

Deuteranomaly

32.1420, 33.3795, 31.5369

Tritanomaly

30.8638, 33.5725, 38.5717

Monochromacy



Original Color

29.4560, 33.7836, 31.3539

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5753, 33.2674, 34.0879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4560, 33.7836, 31.3539 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(144, 162, 144)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 144)  
}
```

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(144, 162, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.4560, 33.7836, 31.3539 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(144, 162, 144) }
```


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

```
.border{ border-color:rgb(144, 162, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 162, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 144);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4560, 33.7836, 31.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 144) }
```

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

```
.background{ background-color: rgb(144,  
162, 144) }
```

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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