

Converting Colors

XYZ(29.5958, 33.3755, 31.9899)

Have a look what the booklet for
XYZ(29.5958, 33.3755, 31.9899)
contains.

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Color

**XYZ(29.6132, 33.3279,
32.0663)**

Conversions

Conversions Part 1

Format	Color
Hex	92A092
RGB	146, 160, 146
RGB Percent	57%, 63%, 57%
CMY	0.4274, 0.3725, 0.4274
CMYK	0.09, 0.00, 0.09, 0.37
HSL	120°, 7%, 60%
HSV	120°, 9%, 63%
XYZ	29.6132, 33.3279, 32.0663
YIQ	154.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

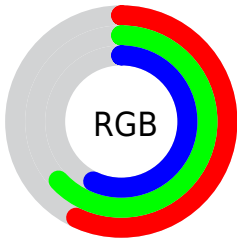
Format	Color
RYB	146, 160, 160
Decimal	9609362
CIELab	64.43, -7.70, 5.60
CIELCh	64, 9.521, 143.963
Yxy	33.3279, 0.3117, 0.3508
Android (android.graphics.Color)	4287799442 (0xFF92A092)
YUV	154.2180, -4.0515, -7.2072
Hunter-Lab	57.7303, -9.4652, 7.4786

Details

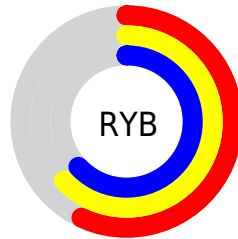
The XYZ color **29.6132, 33.3279, 32.0663** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1225, 30.5703, 37.5197**, and the grayscale version is **30.8301, 32.4357, 35.3225**.

A 20% lighter version of the original color is **58.5452, 65.0504, 64.1139**, and **12.2993, 14.2147, 13.1618** is the 20% darker color. If you saturate the color by 10%, you get **25.8068, 31.5005, 25.8395**, and if you desaturate by 10%, it is **33.9938, 35.4331, 39.2308**.

Distribution



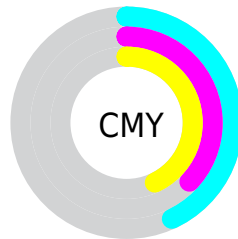
- Red (57%)
- Green (63%)
- Blue (57%)



- Red (57%)
- Yellow (63%)
- Blue (63%)



- Cyan (9%)
- Magenta (0%)
- Yellow (9%)
- Black (37%)



- Cyan (43%)
- Magenta (37%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6132, 33.3279, 32.0663 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 29.6132, 33.3279, 32.0663 by changing the saturation by 10% instead.

■ 29.6132, 33.3279,
32.0663

■ 29.6132, 33.3279,
32.0663

292.0396,
317.1247, 325.9232

■ 19.6918, 22.3778,
21.1469

■ 58.4408, 64.8871,
64.0141

■ 12.2782, 14.1347,
13.0391

■ 78.0777, 86.2650,
85.8796

■ 7.0070, 8.2144,
7.3245

101.6837,
111.8876, 112.2309

■ 3.5128, 4.2325,
3.5843

129.6244,
142.1392, 143.4866

■ 1.4304, 1.8044,
1.4002

162.2649,
177.4044, 180.0651

■ 0.2777, 0.4899,
0.1419

199.9707,

■ 0.0000, 0.0000,

218.0674, 222.3850

0.0000

243.1072,
264.5127, 270.8648

■ 29.6132, 33.3279,
32.0663

■ 29.6132, 33.3279,
32.0663

■ 25.8068, 31.5005,
25.8395

■ 33.9938, 35.4331,
39.2308

■ 22.5482, 29.9352,
20.5094

■ 38.9681, 37.8225,
47.3671

■ 19.8131, 28.6214,
16.0356

■ 44.5580, 40.5076,
56.5106

■ 17.5741, 27.5459,
12.3733

■ 50.7837, 43.4982,
66.6939

■ 15.8015, 26.6944,
9.4739

■ 57.6643, 46.8032,
77.9483

■ 14.4625, 26.0512,
7.2837

■ 65.2181, 50.4317,
90.3039

■ 13.5198, 25.5984,
5.7417

■ 71.8614, 53.6229,
101.1705

■ 12.9300, 25.3151,
4.7770

■ 12.6074, 25.1601,
4.2493

Harmonies

Analogous

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



30.6289, 33.3279, 29.8776



29.6132, 33.3279, 32.0663



29.1520, 33.3279, 35.5080

Triad

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



29.6132, 33.3279, 32.0663



31.4035, 33.3279, 44.2407



34.1225, 33.3279, 33.3364

Complementary

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



29.6132, 33.3279, 32.0663



31.1225, 30.5703, 37.5197

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.



34.3442, 33.3279, 37.0802



29.6132, 33.3279, 32.0663



32.7491, 33.3279, 43.5563

Square

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



29.6132, 33.3279, 32.0663



30.1664, 33.3279, 42.6745



33.8349, 33.3279, 40.8658



33.2375, 33.3279, 30.5735

Rectangle

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



29.6132, 33.3279, 32.0663



29.2113, 33.3279, 38.1221



33.8349, 33.3279, 40.8658



34.2781, 33.3279, 34.5145

Sweetspot

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



29.6141, 33.3293, 32.0670



58.1654, 62.6258, 65.4142



32.2578, 34.6922, 32.1907



12.6203, 13.6693, 14.1235



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.6141, 33.3293, 32.0670



51.9722, 59.6509, 55.2841



30.1757, 33.5540, 35.0242



6.5508, 7.4011, 7.0690



9.7925, 19.5849, 3.2642



0.1751, 0.3502, 0.0584

Inverse Universe

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



31.1225, 30.5703, 37.5197



55.4236, 53.3378, 67.7606



30.5270, 30.3321, 34.3838



6.9042, 6.7546, 8.3466



16.2359, 7.7989, 26.5567



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 29.6132, 33.3279, 32.0663 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 29.6132, 33.3279, 32.0663 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

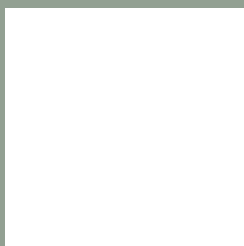
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6132, 33.3279, 32.0663

Background



This preview shows how black text looks on a background with the XYZ color 29.6132, 33.3279, 32.0663.



This preview shows how white text looks on a background with the XYZ color 29.6132, 33.3279,

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

29.6132, 33.3279, 32.0663

Protanopia

31.6557, 33.1377, 31.1133

Deuteranopia

33.8675, 33.2700, 32.6537



Tritanopia

31.7961, 33.4625, 42.3192

Trichromacy



Original Color

29.6132, 33.3279, 32.0663

Protanomaly

30.8781, 33.2262, 31.5739

Deuteranomaly

32.1319, 33.1103, 32.3012

Tritanomaly

31.0543, 33.4165, 38.5315

Monochromacy



Original Color

29.6132, 33.3279, 32.0663

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2369, 32.5906, 33.9751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6132, 33.3279, 32.0663 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(146, 160, 146)` looks like.

```
.text, #text, p{  
    color:rgb(146, 160, 146)  
}
```

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(146, 160, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 160, 146) }
```

Border

The CSS property to change the border of an element to XYZ 29.6132, 33.3279, 32.0663 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(146, 160, 146) }
```


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

```
.border{ border-color:rgb(146, 160, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 160, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 160, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 160, 146);  
box-shadow:4px 4px 4px 4px rgb(146, 160,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6132, 33.3279, 32.0663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 160, 146) }
```

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

```
.background{ background-color: rgb(146,  
160, 146) }
```

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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