

Converting Colors

XYZ(29.6828, 32.7535, 30.0511)

Have a look what the booklet for
XYZ(29.6828, 32.7535, 30.0511)
contains.

XYZ(29.6272, 32.6163, 29.9334)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6272, 32.6163,
29.9334)**

Conversions

Conversions Part 1

Format	Color
Hex	979D8D
RGB	151, 157, 141
RGB Percent	59%, 62%, 55%
CMY	0.4078, 0.3843, 0.4471
CMYK	0.04, 0.00, 0.10, 0.38
HSL	83°, 8%, 58%
HSV	83°, 10%, 62%
XYZ	29.6272, 32.6163, 29.9334
YIQ	153.3820, 1.5600, -6.2480

Conversions

Conversions Part 2

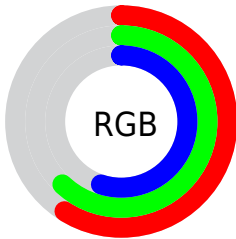
Format	Color
RYB	141, 157, 147
Decimal	9936269
CIELab	63.85, -5.16, 7.63
CIELCh	64, 9.207, 124.088
Yxy	32.6163, 0.3214, 0.3538
Android (android.graphics.Color)	4288126349 (0xFF979D8D)
YUV	153.3820, -6.1043, -2.0890
Hunter-Lab	57.1107, -7.3436, 8.9018

Details

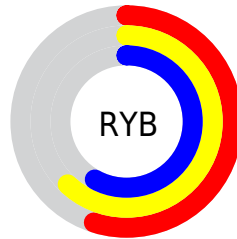
The XYZ color **29.6272, 32.6163, 29.9334** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.6445, 27.6880, 35.7872**, and the grayscale version is **30.4708, 32.0576, 34.9108**.

A 20% lighter version of the original color is **58.5706, 64.0062, 60.8972**, and **12.2979, 13.7727, 11.9078** is the 20% darker color. If you saturate the color by 10%, you get **27.4753, 31.6334, 24.1608**, and if you desaturate by 10%, it is **32.0012, 33.6964, 36.5823**.

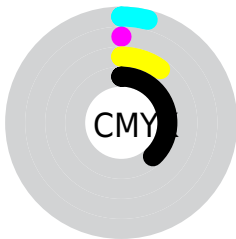
Distribution



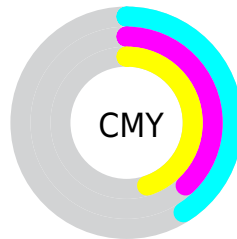
- Red (59%)
- Green (62%)
- Blue (55%)



- Red (55%)
- Yellow (62%)
- Blue (58%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (38%)



- Cyan (41%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6272, 32.6163, 29.9334 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 29.6272, 32.6163, 29.9334 by changing the saturation by 10% instead.

■ 29.6272, 32.6163,
29.9334

■ 29.6272, 32.6163,
29.9334

292.1040,
313.9172, 315.7915

■ 19.7025, 21.8327,
19.5364

■ 58.4628, 63.7760,
60.6166

■ 12.2859, 13.7340,
11.8778

■ 78.1044, 84.9209,
81.7399

■ 7.0123, 7.9359,
6.5390

■ 101.7156,
110.2883, 107.2757

■ 3.5162, 4.0540,
3.1015

129.6618,
140.2626, 137.6426

■ 1.4323, 1.7038,
1.1467

162.3084,
175.2283, 173.2591

■ 0.2790, 0.4261,
0.0000

200.0207,

■ 0.0000, 0.0000,

215.5697, 214.5437

0.0000

243.1641,
261.6712, 261.9150

■ 29.6272, 32.6163,
29.9334

■ 29.6272, 32.6163,
29.9334

■ 27.4753, 31.6334,
24.1608

■ 32.0012, 33.6964,
36.5823

■ 25.5350, 30.7404,
19.2258

■ 34.6019, 34.8725,
44.1398

■ 23.7990, 29.9352,
15.0900

■ 37.4371, 36.1489,
52.6392

■ 22.2585, 29.2143,
11.7111

■ 40.5133, 37.5283,
62.1112

■ 20.9039, 28.5736,
9.0431

■ 43.8370, 39.0134,
72.5855

■ 19.7246, 28.0089,
7.0348

■ 47.4142, 40.6065,
84.0904

■ 18.7087, 27.5152,
5.6281

■ 51.2508, 42.3103,
96.6529

■ 17.8423, 27.0870,
4.7549

■ 53.4270, 43.3568,
100.1605

■ 17.1064, 26.7179,
4.2555

■ 55.0110, 44.1734,
100.2347

Harmonies

Analogous

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



30.8238, 32.6163, 28.8700



29.6272, 32.6163, 29.9334



28.8164, 32.6163, 32.4900

Triad

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



29.6272, 32.6163, 29.9334



29.9263, 32.6163, 42.3159



33.5492, 32.6163, 35.0081

Complementary

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



29.6272, 32.6163, 29.9334



27.6445, 27.6880, 35.7872

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.



33.2929, 32.6163, 38.7192



29.6272, 32.6163, 29.9334



31.1785, 32.6163, 43.1054

Square

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



29.6272, 32.6163, 29.9334



28.9857, 32.6163, 39.6587



32.4162, 32.6163, 41.7475



33.1073, 32.6163, 31.6679

Rectangle

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



29.6272, 32.6163, 29.9334



28.5914, 32.6163, 34.7848



32.4162, 32.6163, 41.7475



33.5420, 32.6163, 36.2526

Sweetspot

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



29.6281, 32.6177, 29.9341



56.0493, 59.7728, 61.9367



29.1265, 29.9183, 29.4395



12.2598, 13.1193, 13.4216



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.6281, 32.6177, 29.9341



52.2407, 58.0393, 51.3734



28.2165, 31.8900, 29.8680



6.9288, 7.5959, 7.0866



13.9348, 21.7204, 3.4580



0.2948, 0.4119, 0.0640

Inverse Universe

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



27.6445, 27.6880, 35.7872



48.0362, 47.5895, 63.7807



29.1038, 28.4403, 35.8555



6.5081, 6.5504, 8.3280



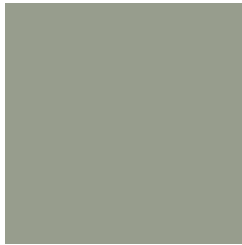
6.4409, 2.7494, 26.0985



0.1602, 0.0724, 0.4688

Previews

White Background



This preview shows how the XYZ color 29.6272, 32.6163, 29.9334 looks on a white background.

Color Contrast Check

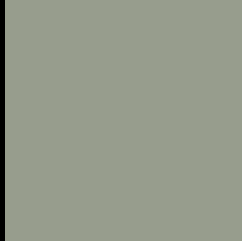
Large Text (above 18pt) WCAG AA × Fail

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 29.6272, 32.6163, 29.9334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

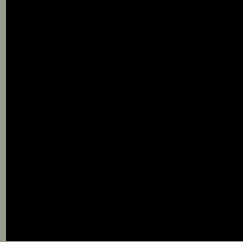
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6272, 32.6163, 29.9334

Background



This preview shows how black text looks on a background with the XYZ color 29.6272, 32.6163, 29.9334.



This preview shows how white text looks on a background with the XYZ color 29.6272, 32.6163,

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

29.6272, 32.6163, 29.9334

Protanopia

30.9137, 32.5523, 29.0800

Deuteranopia

33.1609, 32.4767, 30.5075



Tritanopia

31.7917, 32.5042, 40.6747

Trichromacy



Original Color

29.6272, 32.6163, 29.9334

Protanomaly

30.3596, 32.5042, 29.4848

Deuteranomaly

31.8366, 32.5165, 30.1895

Tritanomaly

30.9678, 32.4155, 36.5229

Monochromacy



Original Color

29.6272, 32.6163, 29.9334

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9293, 31.9565, 33.0246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6272, 32.6163, 29.9334 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(151, 157, 141)` looks like.

```
.text, #text, p{  
    color:rgb(151, 157, 141)  
}
```

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(151, 157, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 157, 141) }
```

Border

The CSS property to change the border of an element to XYZ 29.6272, 32.6163, 29.9334 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(151, 157, 141) }
```


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

```
.border{ border-color:rgb(151, 157, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 157, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 157, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 157, 141);  
box-shadow:4px 4px 4px 4px rgb(151, 157,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6272, 32.6163, 29.9334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 157, 141) }
```

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

```
.background{ background-color: rgb(151,  
157, 141) }
```

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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