

Converting Colors

XYZ(29.8494, 32.5238, 29.8186)

Have a look what the booklet for
XYZ(29.8494, 32.5238, 29.8186)
contains.

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Color

**XYZ(29.8331, 32.4723,
29.8947)**

Conversions

Conversions Part 1

Format	Color
Hex	999C8D
RGB	153, 156, 141
RGB Percent	60%, 61%, 55%
CMY	0.4000, 0.3882, 0.4471
CMYK	0.02, 0.00, 0.10, 0.39
HSL	72°, 7%, 58%
HSV	72°, 10%, 61%
XYZ	29.8331, 32.4723, 29.8947
YIQ	153.3930, 3.0270, -5.3010

Conversions

Conversions Part 2

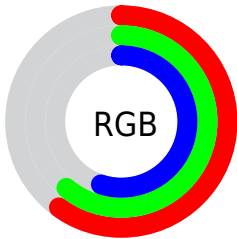
Format	Color
R _Y B	141, 156, 144
Decimal	10067085
CIE Lab	63.73, -3.87, 7.48
CIE LCh	64, 8.420, 117.359
Yxy	32.4723, 0.3236, 0.3522
Android (android.graphics.Color)	4288257165 (0xFF999C8D)
YUV	153.3930, -6.1097, -0.3447
Hunter-Lab	56.9845, -6.2727, 8.7849

Details

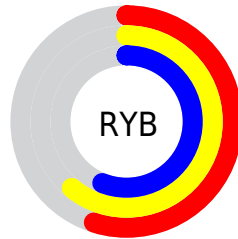
The XYZ color **29.8331, 32.4723, 29.8947** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.0284, 27.3802, 35.3145**, and the grayscale version is **30.4752, 32.0623, 34.9158**.

A 20% lighter version of the original color is **58.6290, 63.2987, 60.7576**, and **12.4194, 13.6833, 11.8841** is the 20% darker color. If you saturate the color by 10%, you get **28.1719, 31.7417, 24.1785**, and if you desaturate by 10%, it is **31.6751, 33.2791, 36.4743**.

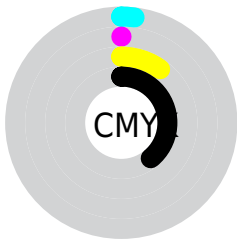
Distribution



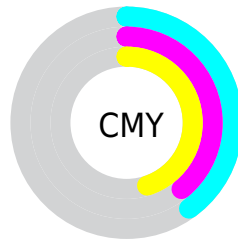
- Red (60%)
- Green (61%)
- Blue (55%)



- Red (55%)
- Yellow (61%)
- Blue (56%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (39%)



- Cyan (40%)
- Magenta (39%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8331, 32.4723, 29.8947 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 29.8331, 32.4723, 29.8947 by changing the saturation by 10% instead.

■ 29.8331, 32.4723,
29.8947

■ 29.8331, 32.4723,
29.8947

293.0495,
313.2651, 315.6053

■ 19.8594, 21.7225,
19.5073

■ 58.7866, 63.5508,
60.5546

■ 12.4005, 13.6531,
11.8569

■ 78.4970, 84.6482,
81.6643

■ 7.0912, 7.8798,
6.5250

■ 102.1838,
109.9637, 107.1851

■ 3.5660, 4.0181,
3.0929

130.2122,
139.8816, 137.5356

■ 1.4597, 1.6837,
1.1423

162.9477,
174.7863, 173.1343

■ 0.2982, 0.4131,
0.0000

200.7554,

■ 0.0000, 0.0000,

215.0622, 214.3998

0.0000

244.0009,
261.0937, 261.7506

■ 29.8331, 32.4723,
29.8947

■ 29.8331, 32.4723,
29.8947

■ 28.1719, 31.7417,
24.1785

■ 31.6751, 33.2791,
36.4743

■ 26.6818, 31.0802,
19.2878

■ 33.7017, 34.1605,
43.9489

■ 25.3564, 30.4864,
15.1848

■ 35.9200, 35.1204,
52.3510

■ 24.1876, 29.9570,
11.8284

■ 38.3358, 36.1611,
61.7111

■ 23.1669, 29.4885,
9.1733

■ 40.9547, 37.2850,
72.0581

■ 22.2846, 29.0771,
7.1696

■ 43.7822, 38.4940,
83.4197

■ 21.5298, 28.7183,
5.7606

■ 46.8233, 39.7904,
95.8226

■ 20.8898, 28.4072,
4.8802

■ 48.2942, 40.4606,
99.8720

■ 20.3355, 28.1321,
4.3754

■ 49.0187, 40.8341,
99.9059

Harmonies

Analogous

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



30.9686, 32.4723, 29.2557



29.8331, 32.4723, 29.8947



28.9928, 32.4723, 31.9669

Triad

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



29.8331, 32.4723, 29.8947



29.6564, 32.4723, 41.1148



33.1860, 32.4723, 35.6571

Complementary

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



29.8331, 32.4723, 29.8947



27.0284, 27.3802, 35.3145

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.



32.8139, 32.4723, 38.9782



29.8331, 32.4723, 29.8947



30.7595, 32.4723, 42.2522

Square

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



29.8331, 32.4723, 29.8947



28.8926, 32.4723, 38.4274



31.9183, 32.4723, 41.4468



32.9229, 32.4723, 32.4543

Rectangle

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



29.8331, 32.4723, 29.8947



28.7029, 32.4723, 33.9539



31.9183, 32.4723, 41.4468



33.1309, 32.4723, 36.7978

Sweetspot

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



29.8340, 32.4737, 29.8954



56.3395, 59.9224, 61.9503



28.4923, 28.9384, 29.2837



12.3396, 13.1604, 13.4253



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.



29.8340, 32.4737, 29.8954



53.3622, 58.6174, 51.4259



28.4626, 31.7667, 29.8312



7.0400, 7.6533, 7.0918



16.7607, 23.1772, 3.5903



0.3301, 0.4301, 0.0656

Inverse Universe

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



27.0284, 27.3802, 35.3145



46.9914, 47.0509, 63.7318



28.3822, 28.0781, 35.3778



6.4026, 6.4960, 8.3231



5.4377, 2.2322, 26.0515



0.1267, 0.0551, 0.4672

Previews

White Background



This preview shows how the XYZ color 29.8331, 32.4723, 29.8947 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 29.8331, 32.4723, 29.8947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

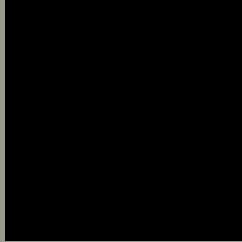
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

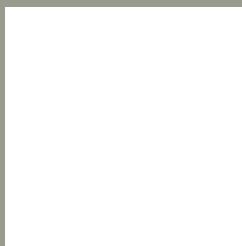
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8331, 32.4723, 29.8947

Background



This preview shows how black text looks on a background with the XYZ color 29.8331, 32.4723, 29.8947.



This preview shows how white text looks on a background with the XYZ color 29.8331, 32.4723,

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

29.8331, 32.4723, 29.8947

Protanopia

30.7864, 32.4782, 29.4572

Deuteranopia

33.0855, 32.4466, 30.1102



Tritanopia

31.8931, 32.5670, 40.2024

Trichromacy



Original Color

29.8331, 32.4723, 29.8947

Protanomaly

30.3596, 32.5042, 29.4848

Deuteranomaly

31.8366, 32.5165, 30.1895

Tritanomaly

31.0739, 32.4801, 36.0840

Monochromacy



Original Color

29.8331, 32.4723, 29.8947

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1173, 32.0534, 33.0333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8331, 32.4723, 29.8947 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(153, 156, 141)` looks like.

```
.text, #text, p{  
    color:rgb(153, 156, 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(153, 156, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 156, 141) }
```

Border

The CSS property to change the border of an element to XYZ 29.8331, 32.4723, 29.8947 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(153, 156, 141) }
```


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

```
.border{ border-color:rgb(153, 156, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 156, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 156, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 156, 141);  
box-shadow:4px 4px 4px 4px rgb(153, 156,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8331, 32.4723, 29.8947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 156, 141) }
```

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

```
.background{ background-color: rgb(153,  
156, 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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