

Converting Colors

XYZ(29.7355, 33.2406, 32.6699)

Have a look what the booklet for
XYZ(29.7355, 33.2406, 32.6699)
contains.

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Color

**XYZ(29.7761, 33.1374,
32.8438)**

Conversions

Conversions Part 1

Format	Color
Hex	939F94
RGB	147, 159, 148
RGB Percent	58%, 62%, 58%
CMY	0.4235, 0.3765, 0.4196
CMYK	0.08, 0.00, 0.07, 0.38
HSL	125°, 6%, 60%
HSV	125°, 8%, 62%
XYZ	29.7761, 33.1374, 32.8438
YIQ	154.1580, -3.6210, -5.9650

Conversions

Conversions Part 2

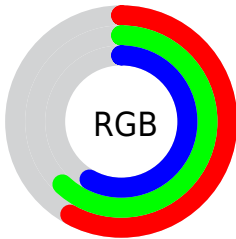
Format	Color
RYB	147, 158, 159
Decimal	9674644
CIELab	64.27, -6.42, 4.27
CIELCh	64, 7.707, 146.361
Yxy	33.1374, 0.3110, 0.3461
Android (android.graphics.Color)	4287864724 (0xFF939F94)
YUV	154.1580, -3.0359, -6.2776
Hunter-Lab	57.5651, -8.4081, 6.4676

Details

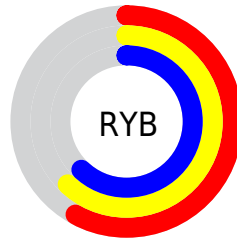
The XYZ color **29.7761, 33.1374, 32.8438** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9046, 30.7079, 36.6478**, and the grayscale version is **30.7993, 32.4033, 35.2872**.

A 20% lighter version of the original color is **58.7946, 64.7749, 65.2811**, and **12.3441, 14.0750, 13.3754** is the 20% darker color. If you saturate the color by 10%, you get **26.0376, 31.3361, 27.0209**, and if you desaturate by 10%, it is **34.0559, 35.2029, 39.4519**.

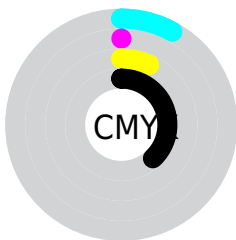
Distribution



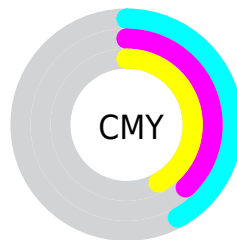
- Red (58%)
- Green (62%)
- Blue (58%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (38%)



- Cyan (42%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7761, 33.1374, 32.8438 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 29.7761, 33.1374, 32.8438 by changing the saturation by 10% instead.

■ 29.7761, 33.1374,
32.8438

■ 29.7761, 33.1374,
32.8438

292.7880,
316.2684, 329.5557

■ 19.8159, 22.2317,
21.7367

■ 58.6970, 64.5900,
65.2448

■ 12.3688, 14.0273,
13.4671

■ 78.3884, 85.9057,
87.3757

■ 7.0693, 8.1396,
7.6165

102.0543,
111.4602, 114.0184

■ 3.5522, 4.1844,
3.7663

130.0600,
141.6379, 145.5912

■ 1.4521, 1.7773,
1.4980

162.7708,
176.8231, 182.5128

■ 0.2929, 0.4729,
0.2165

200.5522,

■ 0.0000, 0.0000,

217.4004, 225.2018

0.0000

243.7695,
263.7540, 274.0765

■ 29.7761, 33.1374,
32.8438

■ 29.7761, 33.1374,
32.8438

■ 26.0376, 31.3361,
27.0209

■ 34.0559, 35.2029,
39.4519

■ 22.8162, 29.7842,
21.9519

■ 38.8945, 37.5380,
46.8705

■ 20.0898, 28.4721,
17.6066

■ 44.3120, 40.1537,
55.1266

■ 17.8341, 27.3878,
13.9521

■ 50.3267, 43.0588,
64.2452

■ 16.0221, 26.5182,
10.9527

■ 56.9560, 46.2618,
74.2504

■ 14.6245, 25.8490,
8.5697

■ 64.2167, 49.7708,
85.1651

■ 13.6084, 25.3642,
6.7603

■ 70.8990, 52.9616,
96.9543

■ 12.9357, 25.0451,
5.4762

■ 71.6887, 53.2775,
101.1129

■ 12.5473, 24.8625,
4.6606

Harmonies

Analogous

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



30.5707, 33.1374, 30.9450



29.7761, 33.1374, 32.8438



29.4420, 33.1374, 35.6998

Triad

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



29.7761, 33.1374, 32.8438



31.3627, 33.1374, 42.4372



33.4199, 33.1374, 33.4701

Complementary

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



29.7761, 33.1374, 32.8438



30.9046, 30.7079, 36.6478

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.



33.6436, 33.1374, 36.4649



29.7761, 33.1374, 32.8438



32.4399, 33.1374, 41.7560

Square

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



29.7761, 33.1374, 32.8438



30.3445, 33.1374, 41.3357



33.2811, 33.1374, 39.5242



32.6765, 33.1374, 31.2916

Rectangle

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



29.7761, 33.1374, 32.8438



29.5194, 33.1374, 37.8058



33.2811, 33.1374, 39.5242



33.5591, 33.1374, 34.4095

Sweetspot

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



29.7770, 33.1388, 32.8445



57.4259, 61.3235, 65.1620



31.8059, 34.1939, 32.5281



12.9673, 13.8353, 14.7227



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.



29.7770, 33.1388, 32.8445



52.1739, 58.7905, 57.0322



30.2479, 33.3272, 35.3243



6.5721, 7.4096, 7.1811



9.8582, 19.6112, 3.6103



0.1821, 0.3530, 0.0951

Inverse Universe

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



30.9046, 30.7079, 36.6478



54.6010, 53.5581, 65.2185



30.4168, 30.5128, 34.0792



6.8803, 6.7450, 8.2208



15.3833, 7.4579, 22.0673



0.2814, 0.1359, 0.4278

Previews

White Background



This preview shows how the XYZ color 29.7761, 33.1374, 32.8438 looks on a white background.

Color Contrast Check

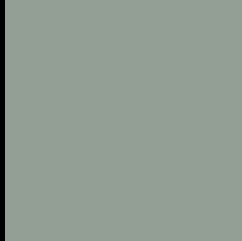
Large Text (above 18pt) WCAG AA × Fail

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 29.7761, 33.1374, 32.8438 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

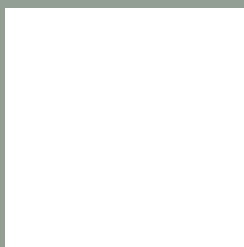
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7761, 33.1374, 32.8438

Background



This preview shows how black text looks on a background with the XYZ color 29.7761, 33.1374, 32.8438.



This preview shows how white text looks on a background with the XYZ color 29.7761, 33.1374,

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

29.7761, 33.1374, 32.8438

Protanopia

31.6076, 33.0951, 31.9162

Deuteranopia

33.6449, 32.8989, 33.4310



Tritanopia

31.5340, 33.0881, 41.7704

Trichromacy



Original Color

29.7761, 33.1374, 32.8438

Protanomaly

30.8652, 32.9514, 32.3373

Deuteranomaly

32.1259, 32.8449, 33.0803

Tritanomaly

30.8844, 33.0767, 38.4749

Monochromacy



Original Color

29.7761, 33.1374, 32.8438

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.3185, 32.6232, 34.4047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7761, 33.1374, 32.8438 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(147, 159, 148)` looks like.

```
.text, #text, p{  
    color:rgb(147, 159, 148)  
}
```

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(147, 159, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 159, 148) }
```

Border

The CSS property to change the border of an element to XYZ 29.7761, 33.1374, 32.8438 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(147, 159, 148) }
```


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

```
.border{ border-color:rgb(147, 159, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 159, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 159, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 159, 148);  
box-shadow:4px 4px 4px 4px rgb(147, 159,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7761, 33.1374, 32.8438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 159, 148) }
```

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

```
.background{ background-color: rgb(147,  
159, 148) }
```

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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