

Converting Colors

XYZ(29.1844, 29.8554, 33.7468)

Have a look what the booklet for
XYZ(29.1844, 29.8554, 33.7468)
contains.

XYZ(29.2381, 29.9067, 33.9373)	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(29.2381, 29.9067,
33.9373)**

Conversions

Conversions Part 1

Format	Color
Hex	999398
RGB	153, 147, 152
RGB Percent	60%, 58%, 60%
CMY	0.4000, 0.4235, 0.4039
CMYK	0.00, 0.04, 0.01, 0.40
HSL	310°, 3%, 59%
HSV	310°, 4%, 60%
XYZ	29.2381, 29.9067, 33.9373
YIQ	149.3640, 1.9710, 2.8270

Conversions

Conversions Part 2

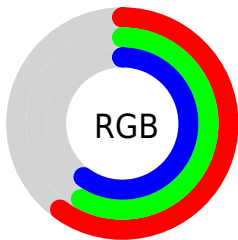
Format	Color
R_{YB}	153, 147, 152
Decimal	10064792
CIE Lab	61.57, 3.16, -1.86
CIE LCh	62, 3.661, 329.556
Yxy	29.9067, 0.3141, 0.3213
Android (android.graphics.Color)	4288254872 (0xFF999398)
YUV	149.3640, 1.2995, 3.1888
Hunter-Lab	54.6870, -0.2683, 1.4871

Details

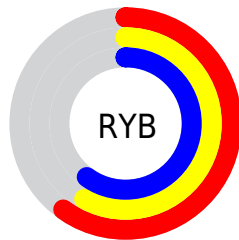
The XYZ color **29.2381, 29.9067, 33.9373** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.7703, 31.1245, 32.5098**, and the grayscale version is **28.7152, 30.2106, 32.8994**.

A 20% lighter version of the original color is **57.7593, 59.4949, 66.8319**, and **12.0113, 12.1301, 14.0202** is the 20% darker color. If you saturate the color by 10%, you get **26.8090, 25.3789, 32.1078**, and if you desaturate by 10%, it is **31.9899, 35.0718, 35.8972**.

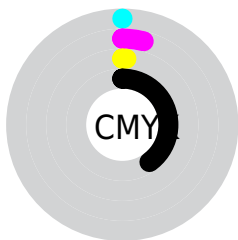
Distribution



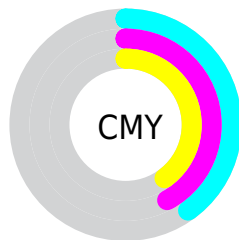
- Red (60%)
- Green (58%)
- Blue (60%)



- Red (60%)
- Yellow (58%)
- Blue (60%)



- Cyan (0%)
- Magenta (4%)
- Yellow (1%)
- Black (40%)



- Cyan (40%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2381, 29.9067, 33.9373 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 29.2381, 29.9067, 33.9373 by changing the saturation by 10% instead.

■ 29.2381, 29.9067,
33.9373

■ 29.2381, 29.9067,
33.9373

290.3107,
301.4693, 334.6130

■ 19.4062, 19.7678,
22.5685

■ 57.8501, 59.5146,
66.9689

■ 12.0699, 12.2264,
14.0729

■ 77.3609, 79.7524,
89.4688

■ 6.8638, 6.8980,
8.0321

100.8288,
104.1252, 116.5161

■ 3.4227, 3.3984,
4.0274

128.6190,
133.0175, 148.5294

■ 1.3810, 1.3431,
1.6404

161.0969,
166.8137, 185.9272

■ 0.2426, 0.1742,
0.3194

198.6280,

■ 0.0000, 0.0000,

205.8981, 229.1280

0.0000

241.5774,
250.6552, 278.5504

■ 29.2381, 29.9067,
33.9373

■ 29.2381, 29.9067,
33.9373

■ 26.8090, 25.3789,
32.1078

■ 31.9899, 35.0718,
35.8972

■ 24.6875, 21.4598,
30.4026

■ 35.0735, 40.8937,
37.9898

■ 22.8613, 18.1240,
28.8177

■ 38.5010, 47.3959,
40.2193

■ 21.3162, 15.3434,
27.3483

■ 42.2829, 54.5998,
42.5897

■ 20.0368, 13.0871,
25.9890

■ 46.4294, 62.5255,
45.1043

■ 19.0061, 11.3214,
24.7342

■ 50.9502, 71.1924,
47.7665

■ 18.2054, 10.0086,
23.5774

■ 55.8548, 80.6194,
50.5796

■ 17.6130, 9.1055,
22.5112

■ 56.3834, 81.2870,
51.9572

■ 17.2029, 8.5603,
21.5268

■ 56.6317, 81.3863,
53.2646

Harmonies

Analogous

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



28.8885, 29.9067, 34.9455



29.2381, 29.9067, 33.9373



29.3695, 29.9067, 32.5841

Triad

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



29.2381, 29.9067, 33.9373



28.4327, 29.9067, 29.9616



27.6208, 29.9067, 33.9004

Complementary

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



29.2381, 29.9067, 33.9373



28.7703, 31.1245, 32.5098

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.



27.5018, 29.9067, 32.5426



29.2381, 29.9067, 33.9373



27.9673, 29.9067, 30.2919

Square

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



29.2381, 29.9067, 33.9373



28.9012, 29.9067, 30.3117



27.6279, 29.9067, 31.2269



27.9549, 29.9067, 34.9238

Rectangle

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



29.2381, 29.9067, 33.9373



29.3145, 29.9067, 31.6763



27.6279, 29.9067, 31.2269



27.5545, 29.9067, 33.4667

Sweetspot

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



29.2390, 29.9080, 33.9379



53.7314, 56.1240, 61.7715



28.3975, 29.4647, 34.3281



11.8711, 12.4052, 13.6445



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



29.2390, 29.9080, 33.9379



51.8203, 52.5466, 60.3797



28.9964, 29.8110, 32.6607



6.6272, 6.6983, 7.7328



14.0600, 6.8782, 17.3729



0.2206, 0.1070, 0.3143

Inverse Universe

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



29.2390, 29.9080, 33.9379



51.8203, 52.5466, 60.3797



29.0108, 31.2207, 33.7762



6.6272, 6.6983, 7.7328



14.0600, 6.8782, 17.3729



0.2206, 0.1070, 0.3143

Previews

White Background



This preview shows how the XYZ color 29.2381, 29.9067, 33.9373 looks on a white background.

Color Contrast Check

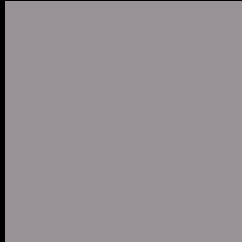
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2381, 29.9067, 33.9373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

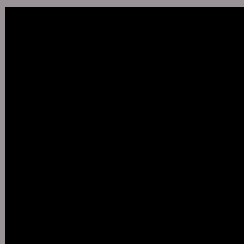
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

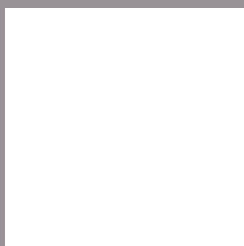
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2381, 29.9067, 33.9373

Background



This preview shows how black text looks on a background with the XYZ color 29.2381, 29.9067, 33.9373.



This preview shows how white text looks on a background with the XYZ color 29.2381, 29.9067,

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

29.2381, 29.9067, 33.9373

Protanopia

28.9174, 29.9637, 34.3965

Deuteranopia

30.4210, 29.8235, 34.2901



Tritanopia

29.7769, 29.8964, 36.5489

Trichromacy



Original Color

29.2381, 29.9067, 33.9373

Protanomaly

29.1022, 30.0590, 34.4051

Deuteranomaly

29.9757, 29.8198, 34.3129

Tritanomaly

29.6061, 29.8281, 35.6495

Monochromacy



Original Color

29.2381, 29.9067, 33.9373

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.6726, 29.8658, 33.1076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2381, 29.9067, 33.9373 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, 147, 152) looks like.

```
.text, #text, p{  
    color:rgb(153, 147, 152)  
}
```

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, 147, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 147, 152) }
```

Border

The CSS property to change the border of an element to XYZ 29.2381, 29.9067, 33.9373 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, 147, 152) }
```


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

```
.border{ border-color:rgb(153, 147, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 147, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 147, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 147, 152);  
box-shadow:4px 4px 4px 4px rgb(153, 147,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2381, 29.9067, 33.9373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 147, 152) }
```

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

```
.background{ background-color: rgb(153,  
147, 152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor