

Converting Colors

XYZ(29.3003, 31.0666, 30.7657)

Have a look what the booklet for
XYZ(29.3003, 31.0666, 30.7657)
contains.

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Color

**XYZ(29.2375, 30.9191,
30.8126)**

Conversions

Conversions Part 1

Format	Color
Hex	999790
RGB	153, 151, 144
RGB Percent	60%, 59%, 56%
CMY	0.4000, 0.4078, 0.4353
CMYK	0.00, 0.01, 0.06, 0.40
HSL	47°, 4%, 58%
HSV	47°, 6%, 60%
XYZ	29.2375, 30.9191, 30.8126
YIQ	150.8000, 3.4390, -1.7530

Conversions

Conversions Part 2

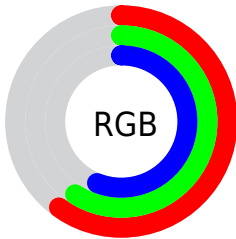
Format	Color
RYB	147, 153, 144
Decimal	10065808
CIELab	62.44, -0.58, 3.93
CIELCh	62, 3.976, 98.343
Yxy	30.9191, 0.3214, 0.3399
Android (android.graphics.Color)	4288255888 (0xFF999790)
YUV	150.8000, -3.3524, 1.9294
Hunter-Lab	55.6049, -3.4520, 6.0688

Details

The XYZ color **29.2375, 30.9191, 30.8126** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.5303, 28.7866, 34.2427**, and the grayscale version is **29.3434, 30.8716, 33.6192**.

A 20% lighter version of the original color is **57.7565, 61.0053, 62.1572**, and **12.0570, 12.7473, 12.4147** is the 20% darker color. If you saturate the color by 10%, you get **27.6082, 29.4066, 24.8858**, and if you desaturate by 10%, it is **31.0428, 32.5292, 37.5808**.

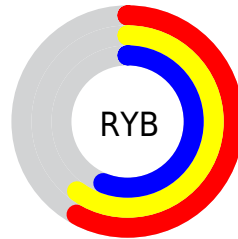
Distribution



Red (60%)

Green (59%)

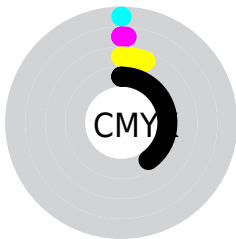
Blue (56%)



Red (58%)

Yellow (60%)

Blue (56%)

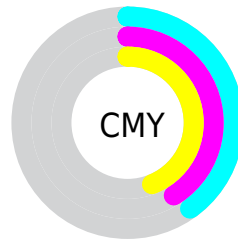


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (40%)



Cyan (40%)

Magenta (41%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2375, 30.9191, 30.8126 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 29.2375, 30.9191, 30.8126 by changing the saturation by 10% instead.

■ 29.2375, 30.9191,
30.8126

■ 29.2375, 30.9191,
30.8126

290.3079,
306.1654, 319.9985

■ 19.4057, 20.5373,
20.1989

■ 57.8492, 61.1127,
62.0210

■ 12.0696, 12.7862,
12.3542

■ 77.3598, 81.6932,
83.4528

■ 6.8636, 7.2815,
6.8599

100.8274,
106.4421, 109.3278

■ 3.4225, 3.6387,
3.2975

128.6174,
135.7437, 140.0644

■ 1.3809, 1.4736,
1.2485

161.0951,
169.9824, 176.0813

■ 0.2426, 0.2700,
0.0190

198.6258,

■ 0.0000, 0.0000,

209.5427, 217.7969

0.0000

241.5750,
254.8089, 265.6297

■ 29.2375, 30.9191,
30.8126

■ 29.2375, 30.9191,
30.8126

■ 27.6082, 29.4066,
24.8858

■ 31.0428, 32.5292,
37.5808

■ 26.1459, 27.9849,
19.7650

■ 33.0276, 34.2354,
45.2198

■ 24.8445, 26.6522,
15.4152

■ 35.1985, 36.0418,
53.7604

■ 23.6965, 25.4056,
11.7982

■ 37.5612, 37.9506,
63.2308

■ 22.6941, 24.2415,
8.8723

■ 40.1208, 39.9642,
73.6583

■ 21.8284, 23.1561,
6.5917

■ 42.8824, 42.0847,
85.0689

■ 21.0894, 22.1454,
4.9051

■ 45.8510, 44.3145,
97.4879

■ 20.4658, 21.2045,
3.7532

■ 47.1404, 45.8991,
100.9826

■ 19.9418, 20.3268,
3.0533

■ 47.8252, 47.2687,
101.2109

Harmonies

Analogous

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



29.7719, 30.9191, 30.9808



29.2375, 30.9191, 30.8126



28.7492, 30.9191, 31.3902

Triad

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



29.2375, 30.9191, 30.8126



28.5820, 30.9191, 35.5414



30.3618, 30.9191, 34.7733

Complementary

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



29.2375, 30.9191, 30.8126



27.5303, 28.7866, 34.2427

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.



30.0355, 30.9191, 36.0484



29.2375, 30.9191, 30.8126



29.0067, 30.9191, 36.5012

Square

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



29.2375, 30.9191, 30.8126



28.3738, 30.9191, 34.0983



29.5384, 30.9191, 36.6896



30.4254, 30.9191, 33.2366

Rectangle

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



29.2375, 30.9191, 30.8126



28.5140, 30.9191, 32.1313



29.5384, 30.9191, 36.6896



30.2790, 30.9191, 35.2481

Sweetspot

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



29.2384, 30.9204, 30.8133



53.5662, 56.4611, 59.6584



28.3066, 28.7977, 31.3020



11.8368, 12.4751, 13.2064



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.



29.2384, 30.9204, 30.8133



51.9784, 55.0246, 53.7675



29.1140, 31.3376, 30.9003



6.6636, 7.0555, 6.8681



16.3396, 16.5616, 2.3355



0.2700, 0.2990, 0.0435

Inverse Universe

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



27.5303, 28.7866, 34.2427



48.2967, 50.4252, 61.1595



27.6488, 28.3946, 34.1608



6.1757, 6.4460, 7.8477



5.2453, 2.8872, 25.1885



0.1018, 0.0898, 0.3843

Previews

White Background



This preview shows how the XYZ color 29.2375, 30.9191, 30.8126 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 29.2375, 30.9191, 30.8126 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

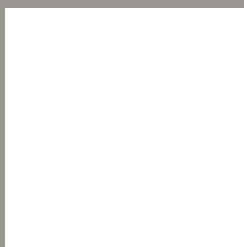
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2375, 30.9191, 30.8126

Background



This preview shows how black text looks on a background with the XYZ color 29.2375, 30.9191, 30.8126.



This preview shows how white text looks on a background with the XYZ color 29.2375, 30.9191,

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

29.2375, 30.9191, 30.8126

Protanopia

29.4580, 30.7949, 30.7770

Deuteranopia

31.5382, 30.9269, 31.0953



Tritanopia

30.6102, 31.0015, 37.6283

Trichromacy



Original Color

29.2375, 30.9191, 30.8126

Protanomaly

29.2668, 30.6963, 30.7680

Deuteranomaly

30.8050, 31.0107, 31.1501

Tritanomaly

30.0655, 31.0158, 34.9739

Monochromacy



Original Color

29.2375, 30.9191, 30.8126

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.3608, 30.9467, 32.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2375, 30.9191, 30.8126 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, 151, 144) looks like.

```
.text, #text, p{  
    color:rgb(153, 151, 144)  
}
```

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, 151, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 151, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.2375, 30.9191, 30.8126 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, 151, 144) }
```


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

```
.border{ border-color:rgb(153, 151, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 151, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 151, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 151, 144);  
box-shadow:4px 4px 4px 4px rgb(153, 151,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2375, 30.9191, 30.8126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 151, 144) }
```

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

```
.background{ background-color: rgb(153,  
151, 144) }
```

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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