

Converting Colors

XYZ(29.6770, 33.0772, 33.2542)

Have a look what the booklet for
XYZ(29.6770, 33.0772, 33.2542)
contains.

XYZ(29.6770, 33.0772, 33.2542)	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(29.6770, 33.0772,
33.2542)**

Conversions

Conversions Part 1

Format	Color
Hex	929F95
RGB	146, 159, 149
RGB Percent	57%, 62%, 58%
CMY	0.4274, 0.3765, 0.4157
CMYK	0.08, 0.00, 0.06, 0.38
HSL	134°, 6%, 60%
HSV	134°, 8%, 62%
XYZ	29.6770, 33.0772, 33.2542
YIQ	153.9730, -4.5380, -5.8660

Conversions

Conversions Part 2

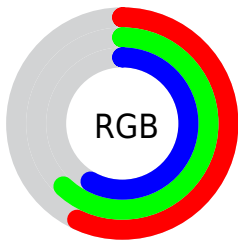
Format	Color
RYB	146, 157, 159
Decimal	9609109
CIELab	64.22, -6.58, 3.63
CIELCh	64, 7.518, 151.136
Yxy	33.0772, 0.3091, 0.3445
Android (android.graphics.Color)	4287799189 (0xFF929F95)
YUV	153.9730, -2.4517, -6.9923
Hunter-Lab	57.5128, -8.5401, 5.9771

Details

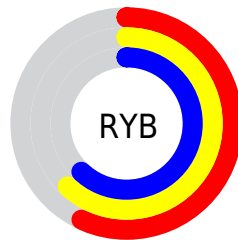
The XYZ color **29.6770, 33.0772, 33.2542** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5789, 30.3298, 35.6965**, and the grayscale version is **30.7159, 32.3155, 35.1916**.

A 20% lighter version of the original color is **58.6455, 64.6843, 65.8943**, and **12.2865, 14.0399, 13.6177** is the 20% darker color. If you saturate the color by 10%, you get **26.1190, 31.3509, 28.2552**, and if you desaturate by 10%, it is **33.7326, 35.0500, 38.8133**.

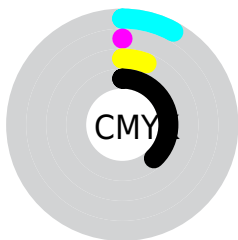
Distribution



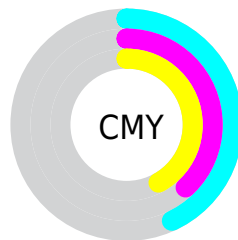
- Red (57%)
- Green (62%)
- Blue (58%)



- Red (57%)
- Yellow (62%)
- Blue (62%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (38%)



- Cyan (43%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6770, 33.0772, 33.2542 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 29.6770, 33.0772, 33.2542 by changing the saturation by 10% instead.

■ 29.6770, 33.0772,
33.2542

■ 29.6770, 33.0772,
33.2542

292.3329,
315.9975, 331.4607

■ 19.7404, 22.1856,
22.0485

■ 58.5411, 64.4960,
65.8928

■ 12.3136, 13.9933,
13.6939

■ 78.1994, 85.7921,
88.1628

■ 7.0314, 8.1160,
7.7718

101.8289,
111.3250, 114.9580

■ 3.5282, 4.1693,
3.8636

129.7950,
141.4793, 146.6969

■ 1.4389, 1.7687,
1.5508

162.4632,
176.6393, 183.7981

■ 0.2837, 0.4676,
0.2554

200.1986,

■ 0.0000, 0.0000,

217.1894, 226.6801

0.0000

243.3667,
263.5140, 275.7614

■ 29.6770, 33.0772,
33.2542

■ 29.6770, 33.0772,
33.2542

■ 26.1190, 31.3509,
28.2552

■ 33.7326, 35.0500,
38.8133

■ 23.0365, 29.8573,
23.7967

■ 38.3012, 37.2742,
44.9470

■ 20.4100, 28.5877,
19.8613

■ 43.4011, 39.7597,
51.6717

■ 18.2172, 27.5309,
16.4297

■ 49.0487, 42.5148,
59.0029

■ 16.4343, 26.6752,
13.4814

■ 55.2597, 45.5471,
66.9551

■ 15.0350, 26.0074,
10.9946

■ 62.0493, 48.8642,
75.5427

■ 13.9896, 25.5128,
8.9459

■ 68.5795, 52.0338,
84.7395

■ 13.2643, 25.1743,
7.3094

■ 70.4045, 52.7639,
94.3500

■ 12.7999, 24.9622,
6.0560

■ 71.6888, 53.2776,
101.1129

Harmonies

Analogous

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



30.3904, 33.0772, 31.2189



29.6770, 33.0772, 33.2542



29.4329, 33.0772, 36.1320

Triad

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



29.6770, 33.0772, 33.2542



31.4796, 33.0772, 42.2120



33.2270, 33.0772, 33.0633

Complementary

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



29.6770, 33.0772, 33.2542



30.5789, 30.3298, 35.6965

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.



33.5340, 33.0772, 35.8991



29.6770, 33.0772, 33.2542



32.5112, 33.0772, 41.2797

Square

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



29.6770, 33.0772, 33.2542



30.4593, 33.0772, 41.4074



33.2692, 33.0772, 38.9255



32.4392, 33.0772, 31.1132

Rectangle

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



29.6770, 33.0772, 33.2542



29.5647, 33.0772, 38.1749



33.2692, 33.0772, 38.9255



33.3906, 33.0772, 33.9390

Sweetspot

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



29.6779, 33.0786, 33.2549



57.4985, 61.3526, 65.5445



31.3336, 33.9595, 32.0979



12.9828, 13.8415, 14.8040



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.



29.6779, 33.0786, 33.2549



51.7949, 58.5805, 57.6722



30.1963, 33.2860, 35.9846



6.6103, 7.4249, 7.3827



10.0663, 19.6945, 4.7061



0.1944, 0.3579, 0.1602

Inverse Universe

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



30.5789, 30.3298, 35.6965



53.7785, 52.5283, 63.0476



30.0575, 30.1212, 32.9511



6.8386, 6.7284, 8.0013



14.0994, 6.9443, 15.3061



0.2669, 0.1301, 0.3515

Previews

White Background



This preview shows how the XYZ color 29.6770, 33.0772, 33.2542 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 29.6770, 33.0772, 33.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

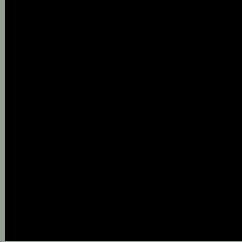
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

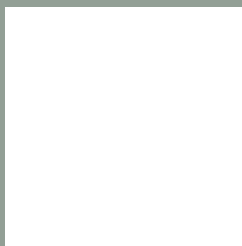
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6770, 33.0772, 33.2542

Background



This preview shows how black text looks on a background with the XYZ color 29.6770, 33.0772, 33.2542.



This preview shows how white text looks on a background with the XYZ color 29.6770, 33.0772,

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

29.6770, 33.0772, 33.2542

Protanopia

31.4850, 33.0229, 32.3184

Deuteranopia

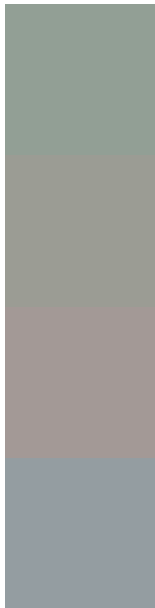
33.5055, 32.8177, 33.8467



Tritanopia

31.3508, 32.9936, 41.7618

Trichromacy



Original Color

29.6770, 33.0772, 33.2542

Protanomaly

30.7513, 32.8836, 32.7434

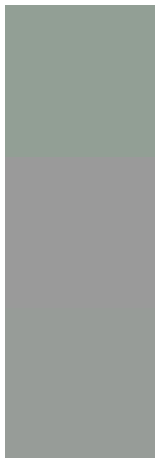
Deuteranomaly

32.0005, 32.7710, 33.4930

Tritanomaly

30.7027, 32.9831, 38.4664

Monochromacy



Original Color

29.6770, 33.0772, 33.2542

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 29.6770, 33.0772, 33.2542 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(146, 159, 149) looks like.

```
.text, #text, p{  
    color:rgb(146, 159, 149)  
}
```

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(146, 159, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 159, 149) }
```

Border

The CSS property to change the border of an element to XYZ 29.6770, 33.0772, 33.2542 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(146, 159, 149) }
```


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

```
.border{ border-color:rgb(146, 159, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 159, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 159, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 159, 149);  
box-shadow:4px 4px 4px 4px rgb(146, 159,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6770, 33.0772, 33.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 159, 149) }
```

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

```
.background{ background-color: rgb(146,  
159, 149) }
```

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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