

Converting Colors

XYZ(32.7796, 35.5268, 32.0930)

Have a look what the booklet for
XYZ(32.7796, 35.5268, 32.0930)
contains.

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Color

**XYZ(32.7291, 35.4621,
31.9079)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A291
RGB	161, 162, 145
RGB Percent	63%, 64%, 57%
CMY	0.3686, 0.3647, 0.4314
CMYK	0.01, 0.00, 0.10, 0.36
HSL	64°, 8%, 60%
HSV	64°, 10%, 64%
XYZ	32.7291, 35.4621, 31.9079
YIQ	159.7630, 4.8610, -5.4990

Conversions

Conversions Part 2

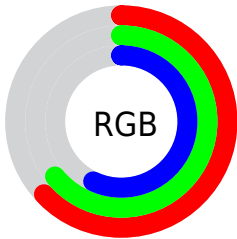
Format	Color
RYB	145, 162, 146
Decimal	10592913
CIELab	66.11, -3.45, 8.72
CIELCh	66, 9.378, 111.596
Yxy	35.4621, 0.3270, 0.3543
Android (android.graphics.Color)	4288782993 (0xFFA1A291)
YUV	159.7630, -7.2782, 1.0848
Hunter-Lab	59.5501, -6.1079, 9.9165

Details

The XYZ color **32.7291, 35.4621, 31.9079** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.5025, 28.9714, 38.2742**, and the grayscale version is **33.3362, 35.0723, 38.1937**.

A 20% lighter version of the original color is **63.4406, 68.3482, 63.8817**, and **13.9482, 15.2293, 13.0309** is the 20% darker color. If you saturate the color by 10%, you get **31.3764, 34.9000, 25.7822**, and if you desaturate by 10%, it is **34.2634, 36.0993, 38.9735**.

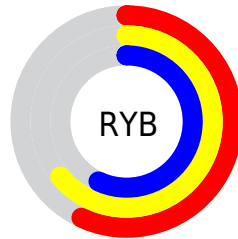
Distribution



Red (63%)

Green (64%)

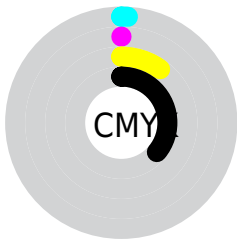
Blue (57%)



Red (57%)

Yellow (64%)

Blue (57%)

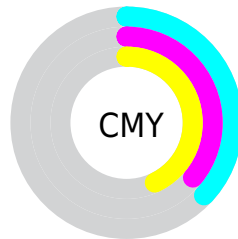


Cyan (1%)

Magenta (0%)

Yellow (10%)

Black (36%)



Cyan (37%)

Magenta (36%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7291, 35.4621, 31.9079 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 32.7291, 35.4621, 31.9079 by changing the saturation by 10% instead.

■ 32.7291, 35.4621,
31.9079

■ 32.7291, 35.4621,
31.9079

306.1139,
326.6033, 325.1793

■ 22.0772, 24.0191,
21.0269

■ 63.3099, 68.2010,
63.7629

■ 14.0306, 15.3478,
12.9522

■ 83.9695, 90.2657,
85.5740

■ 8.2238, 9.0638,
7.2653

108.6957,
116.6397, 111.8656

■ 4.2915, 4.7828,
3.5476

137.8540,
147.7074, 143.0562

■ 1.8683, 2.1204,
1.3806

171.8096,
183.8532, 179.5643

■ 0.5583, 0.6761,
0.1265

210.9278,

■ 0.0000, 0.0000,

225.4615, 221.8085

0.0000

255.5742,
272.9168, 270.2073

■ 32.7291, 35.4621,
31.9079

■ 32.7291, 35.4621,
31.9079

■ 31.3764, 34.9000,
25.7822

■ 34.2634, 36.0993,
38.9735

■ 30.1948, 34.4054,
20.5545

■ 35.9835, 36.8099,
47.0139

■ 29.1774, 33.9765,
16.1834

■ 37.8970, 37.5980,
56.0649

■ 28.3153, 33.6101,
12.6231

■ 40.0102, 38.4661,
66.1600

■ 27.5992, 33.3021,
9.8237

■ 42.3292, 39.4168,
77.3311

■ 27.0185, 33.0485,
7.7295

■ 44.8598, 40.4522,
89.6086

■ 26.5612, 32.8444,
6.2777

■ 47.0545, 41.3535,
100.1097

■ 26.2133, 32.6842,
5.3941

■ 47.2584, 41.4586,
100.1193

■ 25.9528, 32.5602,
4.9169

■ 47.4638, 41.5645,
100.1289

Harmonies

Analogous

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



34.0988, 35.4621, 31.5078



32.7291, 35.4621, 31.9079



31.6493, 35.4621, 34.0389

Triad

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



32.7291, 35.4621, 31.9079



32.0685, 35.4621, 44.9430



36.4263, 35.4621, 39.7446

Complementary

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



32.7291, 35.4621, 31.9079



28.5025, 28.9714, 38.2742

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.



35.8492, 35.4621, 43.5778



32.7291, 35.4621, 31.9079



33.3156, 35.4621, 46.7115

Square

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



32.7291, 35.4621, 31.9079



31.2753, 35.4621, 41.5059



34.7015, 35.4621, 46.1954



36.2588, 35.4621, 35.8562

Rectangle

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



32.7291, 35.4621, 31.9079



31.2268, 35.4621, 36.2399



34.7015, 35.4621, 46.1954



36.3124, 35.4621, 41.0858

Sweetspot

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



32.7301, 35.4636, 31.9087



61.4547, 65.2240, 67.2985



30.2681, 30.2382, 31.0298



13.7521, 14.6282, 14.8823



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



32.7301, 35.4636, 31.9087



58.7077, 64.0840, 54.6971



31.1034, 34.6251, 31.8325



7.6079, 8.2159, 7.5649



20.4579, 25.6569, 3.8740



0.4414, 0.5451, 0.0819

Inverse Universe

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



28.5025, 28.9714, 38.2742



49.1995, 49.4821, 69.0140



30.0412, 29.7647, 38.3462



6.7374, 6.8790, 8.8757



5.2453, 2.1105, 27.0607



0.1211, 0.0500, 0.5691

Previews

White Background



This preview shows how the XYZ color 32.7291, 35.4621, 31.9079 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 32.7291, 35.4621, 31.9079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

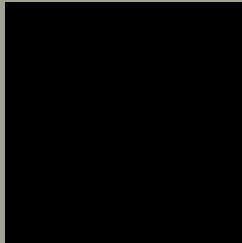
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

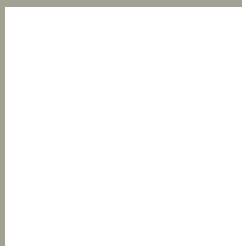
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7291, 35.4621, 31.9079

Background



This preview shows how black text looks on a background with the XYZ color 32.7291, 35.4621, 31.9079.



This preview shows how white text looks on a background with the XYZ color 32.7291, 35.4621,

31.9079.

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

32.7291, 35.4621, 31.9079

Protanopia

33.5412, 35.3707, 31.4450

Deuteranopia

35.9657, 35.3418, 32.1202



Tritanopia

35.0946, 35.3933, 43.5100

Trichromacy



Original Color

32.7291, 35.4621, 31.9079

Protanomaly

33.2960, 35.5027, 31.4834

Deuteranomaly

34.8707, 35.5277, 32.2138

Tritanomaly

34.2296, 35.2974, 39.1914

Monochromacy



Original Color

32.7291, 35.4621, 31.9079

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.1585, 35.3299, 36.0821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7291, 35.4621, 31.9079 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(161, 162, 145)` looks like.

```
.text, #text, p{  
    color:rgb(161, 162, 145)  
}
```

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(161, 162, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 162, 145) }
```

Border

The CSS property to change the border of an element to XYZ 32.7291, 35.4621, 31.9079 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(161, 162, 145) }
```


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

```
.border{ border-color:rgb(161, 162, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 162, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 162, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 162, 145);  
box-shadow:4px 4px 4px 4px rgb(161, 162,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7291, 35.4621, 31.9079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 162, 145) }
```

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

```
.background{ background-color: rgb(161,  
162, 145) }
```

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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