

Converting Colors

XYZ(32.7114, 30.6402, 36.7270)

Have a look what the booklet for
XYZ(32.7114, 30.6402, 36.7270)
contains.

XYZ(32.7886, 30.7715, 36.5591)	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(32.7886, 30.7715,
36.5591)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8F9E
RGB	171, 143, 158
RGB Percent	67%, 56%, 62%
CMY	0.3294, 0.4392, 0.3804
CMYK	0.00, 0.16, 0.08, 0.33
HSL	328°, 14%, 62%
HSV	328°, 16%, 67%
XYZ	32.7886, 30.7715, 36.5591
YIQ	153.0820, 11.8730, 10.6010

Conversions

Conversions Part 2

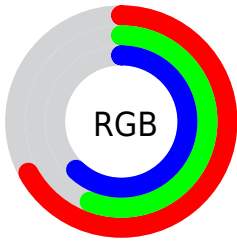
Format	Color
RYB	171, 143, 158
Decimal	11243422
CIELab	62.31, 13.11, -3.98
CIElCh	62, 13.700, 343.094
Yxy	30.7715, 0.3275, 0.3073
Android (android.graphics.Color)	4289433502 (0xFFAB8F9E)
YUV	153.0820, 2.4246, 15.7141
Hunter-Lab	55.4721, 8.4322, -0.2449

Details

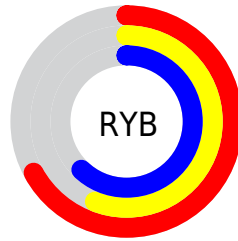
The XYZ color **32.7886, 30.7715, 36.5591** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.8926, 37.3666, 36.9858**, and the grayscale version is **30.3009, 31.8789, 34.7161**.

A 20% lighter version of the original color is **63.6550, 61.0675, 71.3830**, and **14.1759, 12.8122, 15.6358** is the 20% darker color. If you saturate the color by 10%, you get **29.7533, 25.7592, 32.2837**, and if you desaturate by 10%, it is **36.2612, 36.5868, 41.1989**.

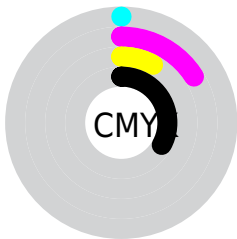
Distribution



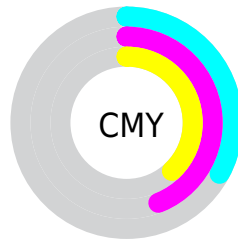
- Red (67%)
- Green (56%)
- Blue (62%)



- Red (67%)
- Yellow (56%)
- Blue (62%)



- Cyan (0%)
- Magenta (16%)
- Yellow (8%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7886, 30.7715, 36.5591 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 32.7886, 30.7715, 36.5591 by changing the saturation by 10% instead.

■ 32.7886, 30.7715,
36.5591

■ 32.7886, 30.7715,
36.5591

306.3779,
305.4842, 346.5087

■ 22.1230, 20.4249,
24.5732

■ 63.4022, 60.8801,
71.0729

■ 14.0644, 12.7043,
15.5432

■ 84.0810, 81.4110,
94.4379

■ 8.2475, 7.2252,
9.0507

108.8282,
106.1054, 122.4329

■ 4.3068, 3.6034,
4.6770

138.0091,
135.3477, 155.4766

■ 1.8772, 1.4543,
2.0036

171.9892,
169.5223, 193.9875

■ 0.5635, 0.2562,
0.5575

211.1338,

■ 0.0000, 0.0000,

209.0137, 238.3842

0.0000

255.8083,
254.2062, 289.0851

■ 32.7886, 30.7715,
36.5591

■ 32.7886, 30.7715,
36.5591

■ 29.7533, 25.7592,
32.2837

■ 36.2612, 36.5868,
41.1989

■ 27.1341, 21.5102,
28.3605

■ 40.1857, 43.2345,
46.2108

■ 24.9120, 17.9874,
24.7792

■ 44.5794, 50.7473,
51.6049

■ 23.0655, 15.1492,
21.5285

■ 49.4579, 59.1551,
57.3901

■ 21.5708, 12.9495,
18.5958

■ 54.8359, 68.4863,
63.5750

■ 20.4013, 11.3366,
15.9677

■ 60.7275, 78.7682,
70.1679

■ 19.5264, 10.2506,
13.6292

■ 64.6390, 85.0117,
76.3410

■ 18.9041, 9.6095,
11.5613

■ 65.6756, 85.4264,
81.7995

■ 18.7090, 9.4237,
10.8664

■ 66.7623, 85.8610,
87.5219

Harmonies

Analogous

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



31.7484, 30.7715, 41.5178



32.7886, 30.7715, 36.5591



32.8548, 30.7715, 31.2471

Triad

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



32.7886, 30.7715, 36.5591



28.4480, 30.7715, 24.5208



26.7233, 30.7715, 40.9668

Complementary

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



32.7886, 30.7715, 36.5591



31.8926, 37.3666, 36.9858

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.



25.9142, 30.7715, 35.8690



32.7886, 30.7715, 36.5591



26.8813, 30.7715, 26.5957

Square

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



32.7886, 30.7715, 36.5591



30.2952, 30.7715, 24.6636



25.9708, 30.7715, 30.6258



28.2240, 30.7715, 44.2408

Rectangle

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



32.7886, 30.7715, 36.5591



32.3334, 30.7715, 28.2391



25.9708, 30.7715, 30.6258



26.3643, 30.7715, 39.3878

Sweetspot

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



32.7895, 30.7729, 36.5598



65.7976, 66.9682, 74.8990



30.8074, 29.6148, 42.6210



14.5713, 14.7624, 16.5704



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.7895, 30.7729, 36.5598



56.4672, 51.3689, 62.3501



31.6828, 30.3302, 30.7322



8.1778, 8.0844, 9.2472



14.1305, 7.1148, 8.3329



0.4204, 0.2088, 0.3755

Inverse Universe

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



32.7895, 30.7729, 36.5598



56.4672, 51.3689, 62.3501



33.1095, 37.8533, 43.3939



8.1778, 8.0844, 9.2472



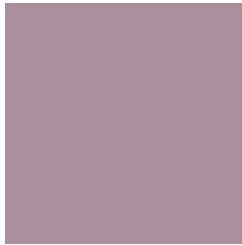
14.1305, 7.1148, 8.3329



0.4204, 0.2088, 0.3755

Previews

White Background



This preview shows how the XYZ color 32.7886, 30.7715, 36.5591 looks on a white background.

Color Contrast Check

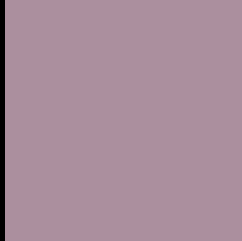
Large Text (above 18pt) WCAG AA × Fail

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 32.7886, 30.7715, 36.5591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

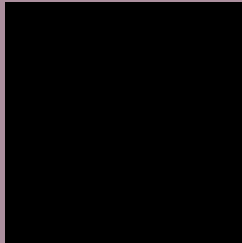
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7886, 30.7715, 36.5591

Background



This preview shows how black text looks on a background with the XYZ color 32.7886, 30.7715, 36.5591.



This preview shows how white text looks on a background with the XYZ color 32.7886, 30.7715,

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

32.7886, 30.7715, 36.5591

Protanopia

30.0056, 30.9054, 38.5663

Deuteranopia

31.2650, 30.6735, 36.1710



Tritanopia

32.6842, 30.9710, 35.2657

Trichromacy



Original Color

32.7886, 30.7715, 36.5591

Protanomaly

30.9673, 30.7097, 38.0136

Deuteranomaly

31.7283, 30.6845, 36.1487

Tritanomaly

32.7686, 31.0047, 35.7099

Monochromacy



Original Color

32.7886, 30.7715, 36.5591

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.1610, 31.3350, 35.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7886, 30.7715, 36.5591 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(171, 143, 158)` looks like.

```
.text, #text, p{  
    color:rgb(171, 143, 158)  
}
```

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(171, 143, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 143, 158) }
```

Border

The CSS property to change the border of an element to XYZ 32.7886, 30.7715, 36.5591 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(171, 143, 158) }
```


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

```
.border{ border-color:rgb(171, 143, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 143, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 143, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 143, 158);  
box-shadow:4px 4px 4px 4px rgb(171, 143,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7886, 30.7715, 36.5591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 143, 158) }
```

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

```
.background{ background-color: rgb(171,  
143, 158) }
```

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