

Converting Colors

XYZ(31.6930, 32.8991, 28.5985)

Have a look what the booklet for
XYZ(31.6930, 32.8991, 28.5985)
contains.

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Color

**XYZ(31.6601, 32.9455,
28.7352)**

Conversions

Conversions Part 1

Format	Color
Hex	A59A8A
RGB	165, 154, 138
RGB Percent	65%, 60%, 54%
CMY	0.3529, 0.3961, 0.4588
CMYK	0.00, 0.07, 0.16, 0.35
HSL	36°, 13%, 59%
HSV	36°, 16%, 65%
XYZ	31.6601, 32.9455, 28.7352
YIQ	155.4650, 11.6920, -2.6440

Conversions

Conversions Part 2

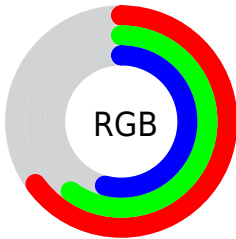
Format	Color
RYB	157, 165, 138
Decimal	10853002
CIELab	64.12, 1.27, 9.85
CIELCh	64, 9.927, 82.658
Yxy	32.9455, 0.3392, 0.3530
Android (android.graphics.Color)	4289043082 (0xFFA59A8A)
YUV	155.4650, -8.6102, 8.3622
Hunter-Lab	57.3982, -1.9885, 10.4964

Details

The XYZ color **31.6601, 32.9455, 28.7352** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.0201, 29.6142, 39.8369**, and the grayscale version is **31.3959, 33.0310, 35.9707**.

A 20% lighter version of the original color is **61.4750, 64.0890, 58.4205**, and **13.4218, 13.9158, 11.2111** is the 20% darker color. If you saturate the color by 10%, you get **29.4771, 30.3480, 22.5549**, and if you desaturate by 10%, it is **34.0885, 35.7427, 35.8936**.

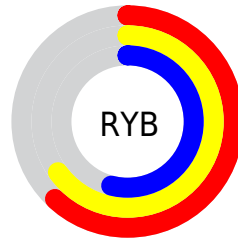
Distribution



Red (65%)

Green (60%)

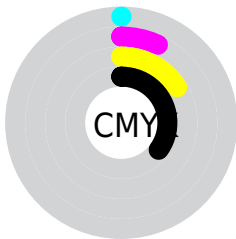
Blue (54%)



Red (62%)

Yellow (65%)

Blue (54%)

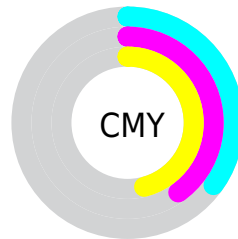


Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (35%)



Cyan (35%)

Magenta (40%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6601, 32.9455, 28.7352 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 31.6601, 32.9455, 28.7352 by changing the saturation by 10% instead.

■ 31.6601, 32.9455,
28.7352

■ 31.6601, 32.9455,
28.7352

301.3408,
315.4041, 309.9852

■ 21.2563, 22.0847,
18.6367

■ 61.6467, 64.2904,
58.6933

■ 13.4250, 13.9191,
11.2339

■ 81.9601, 85.5434,
79.3899

■ 7.8009, 8.0645,
6.1083

■ 106.3075,
111.0291, 104.4565

■ 4.0185, 4.1362,
2.8412

135.0542,
141.1321, 134.3113

■ 1.7126, 1.7501,
1.0141

168.5655,
176.2367, 169.3731

■ 0.4641, 0.4558,
0.0000

207.2068,

■ 0.0000, 0.0000,

216.7273, 210.0603

0.0000

251.3435,
262.9883, 256.7915

■ 31.6601, 32.9455,
28.7352

■ 31.6601, 32.9455,
28.7352

■ 29.4771, 30.3480,
22.5549

■ 34.0885, 35.7427,
35.8936

■ 27.5277, 27.9406,
17.3071

■ 36.7683, 38.7404,
44.0685

■ 25.8029, 25.7192,
12.9460

■ 39.7085, 41.9446,
53.2989

■ 24.2922, 23.6778,
9.4210

■ 42.9170, 45.3602,
63.6211

■ 22.9838, 21.8101,
6.6761

■ 46.4010, 48.9914,
75.0696

■ 21.8650, 20.1090,
4.6485

■ 50.1678, 52.8426,
87.6775

■ 20.9206, 18.5668,
3.2657

■ 54.2242, 56.9180,
101.4764

■ 20.1305, 17.1734,
2.4261

■ 56.0661, 60.2173,
103.2758

■ 19.8660, 16.6970,
2.1758

■ 57.7371, 63.5592,
103.8328

Harmonies

Analogous

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



32.9805, 32.9455, 30.0679



31.6601, 32.9455, 28.7352



30.2849, 32.9455, 29.1978

Triad

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



31.6601, 32.9455, 28.7352



28.8872, 32.9455, 38.9346



33.5101, 32.9455, 40.7708

Complementary

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



31.6601, 32.9455, 28.7352



28.0201, 29.6142, 39.8369

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.



32.3656, 32.9455, 43.4930



31.6601, 32.9455, 28.7352



29.7040, 32.9455, 42.3788

Square

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



31.6601, 32.9455, 28.7352



28.7110, 32.9455, 34.8927



30.9699, 32.9455, 44.1024



34.0691, 32.9455, 36.8696

Rectangle

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



31.6601, 32.9455, 28.7352



29.5192, 32.9455, 30.4796



30.9699, 32.9455, 44.1024



33.1795, 32.9455, 41.8657

Sweetspot

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



31.6610, 32.9470, 28.7359



61.6346, 64.6747, 66.0415



30.0507, 28.3547, 32.4281



13.4075, 14.0633, 14.2362



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.



31.6610, 32.9470, 28.7359



55.0850, 57.1001, 46.8264



33.0960, 36.5057, 29.3472



7.4063, 7.7510, 7.4858



15.0787, 12.7313, 1.6626



0.3616, 0.3570, 0.0498

Inverse Universe

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



28.0201, 29.6142, 39.8369



47.1926, 49.8764, 70.8921



26.7378, 26.4912, 39.3017



6.9263, 7.3116, 8.9493



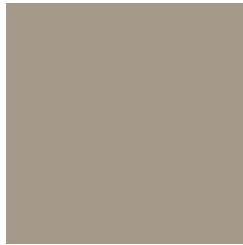
6.7121, 5.2036, 27.5804



0.1869, 0.2010, 0.5948

Previews

White Background



This preview shows how the XYZ color 31.6601, 32.9455, 28.7352 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 31.6601, 32.9455, 28.7352 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

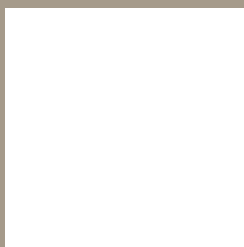
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6601, 32.9455, 28.7352

Background



This preview shows how black text looks on a background with the XYZ color 31.6601, 32.9455, 28.7352.



This preview shows how white text looks on a background with the XYZ color 31.6601, 32.9455,

28.7352.

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

31.6601, 32.9455, 28.7352

Protanopia

31.2091, 32.9590, 28.7616

Deuteranopia

33.4710, 32.9069, 29.0136



Tritanopia

33.5764, 32.7462, 38.7334

Trichromacy



Original Color

31.6601, 32.9455, 28.7352

Protanomaly

31.4130, 33.0642, 28.7711

Deuteranomaly

32.7401, 32.7680, 29.0254

Tritanomaly

32.7527, 32.6486, 34.7125

Monochromacy



Original Color

31.6601, 32.9455, 28.7352

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4442, 32.9835, 33.1429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6601, 32.9455, 28.7352 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(165, 154, 138)` looks like.

```
.text, #text, p{  
    color:rgb(165, 154, 138)  
}
```

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(165, 154, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 154, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.6601, 32.9455, 28.7352 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(165, 154, 138) }
```


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

```
.border{ border-color:rgb(165, 154, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 154, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 154, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 154, 138);  
box-shadow:4px 4px 4px 4px rgb(165, 154,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6601, 32.9455, 28.7352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 154, 138) }
```

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

```
.background{ background-color: rgb(165,  
154, 138) }
```

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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