

Converting Colors

XYZ(30.8891, 32.1654, 30.9993)

Have a look what the booklet for
XYZ(30.8891, 32.1654, 30.9993)
contains.

XYZ(30.9225, 32.2697, 30.9844)	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(30.9225, 32.2697,
30.9844)**

Conversions

Conversions Part 1

Format	Color
Hex	A09990
RGB	160, 153, 144
RGB Percent	63%, 60%, 56%
CMY	0.3725, 0.4000, 0.4353
CMYK	0.00, 0.04, 0.10, 0.37
HSL	34°, 8%, 60%
HSV	34°, 10%, 63%
XYZ	30.9225, 32.2697, 30.9844
YIQ	154.0670, 7.0610, -1.3150

Conversions

Conversions Part 2

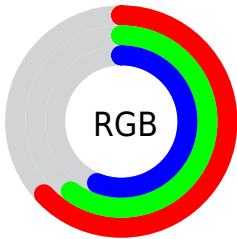
Format	Color
RYB	156, 160, 144
Decimal	10525072
CIELab	63.57, 0.93, 5.63
CIELCh	64, 5.708, 80.588
Yxy	32.2697, 0.3283, 0.3427
Android (android.graphics.Color)	4288715152 (0xFFA09990)
YUV	154.0670, -4.9630, 5.2032
Hunter-Lab	56.8064, -2.2450, 7.4255

Details

The XYZ color **30.9225, 32.2697, 30.9844** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.9133, 30.6000, 37.6406**, and the grayscale version is **30.7643, 32.3664, 35.2470**.

A 20% lighter version of the original color is **60.5302, 63.1499, 62.4250**, and **12.9561, 13.4990, 12.5124** is the 20% darker color. If you saturate the color by 10%, you get **28.6737, 29.5922, 24.6230**, and if you desaturate by 10%, it is **33.4136, 35.1537, 38.2825**.

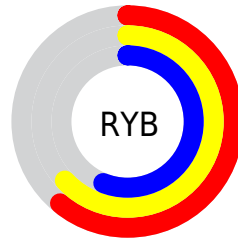
Distribution



Red (63%)

Green (60%)

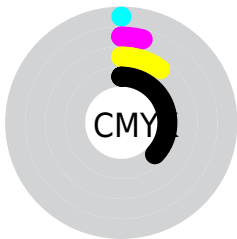
Blue (56%)



Red (61%)

Yellow (63%)

Blue (56%)

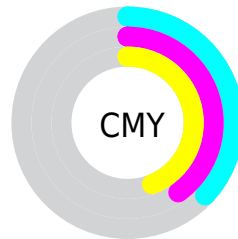


Cyan (0%)

Magenta (4%)

Yellow (10%)

Black (37%)



Cyan (37%)

Magenta (40%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9225, 32.2697, 30.9844 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 30.9225, 32.2697, 30.9844 by changing the saturation by 10% instead.

■ 30.9225, 32.2697,
30.9844

■ 30.9225, 32.2697,
30.9844

298.0144,
312.3460, 320.8154

■ 20.6914, 21.5676,
20.3286

■ 60.4947, 63.2337,
62.2948

■ 13.0098, 13.5395,
12.4477

■ 80.5665, 84.2643,
83.7865

■ 7.5123, 7.8011,
6.9231

104.6492,
109.5065, 109.7272

■ 3.8337, 3.9679,
3.3363

133.1083,
139.3448, 140.5355

■ 1.6085, 1.6556,
1.2688

166.3089,
174.1635, 176.6300

■ 0.3979, 0.3947,
0.0360

204.6166,

■ 0.0000, 0.0000,

214.3470, 218.4291

0.0000

248.3966,
260.2797, 266.3514

■ 30.9225, 32.2697,
30.9844

■ 30.9225, 32.2697,
30.9844

■ 28.6737, 29.5922,
24.6230

■ 33.4136, 35.1537,
38.2825

■ 26.6562, 27.1118,
19.1577

■ 36.1523, 38.2449,
46.5515

■ 24.8618, 24.8244,
14.5478

■ 39.1470, 41.5495,
55.8265

■ 23.2811, 22.7243,
10.7487

■ 42.4049, 45.0721,
66.1402

■ 21.9036, 20.8054,
7.7120

■ 45.9329, 48.8171,
77.5238

■ 20.7178, 19.0609,
5.3836

■ 49.7376, 52.7887,
90.0071

■ 19.7110, 17.4838,
3.7024

■ 53.6637, 56.9264,
102.7672

■ 18.8683, 16.0658,
2.5968

■ 55.3427, 60.2843,
103.3269

■ 18.1563, 14.7914,
1.8981

■ 57.0971, 63.7931,
103.9117

Harmonies

Analogous

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



31.6540, 32.2697, 31.8553



30.9225, 32.2697, 30.9844



30.1360, 32.2697, 31.1882

Triad

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



30.9225, 32.2697, 30.9844



29.2599, 32.2697, 36.7013



31.8699, 32.2697, 37.9951

Complementary

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



30.9225, 32.2697, 30.9844



28.9133, 30.6000, 37.6406

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.



31.2131, 32.2697, 39.4041



30.9225, 32.2697, 30.9844



29.7093, 32.2697, 38.6350

Square

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



30.9225, 32.2697, 30.9844



29.1852, 32.2697, 34.4239



30.4216, 32.2697, 39.6433



32.2072, 32.2697, 35.8583

Rectangle

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



30.9225, 32.2697, 30.9844



29.6857, 32.2697, 31.9096



30.4216, 32.2697, 39.6433



31.6786, 32.2697, 38.5734

Sweetspot

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



30.9234, 32.2711, 30.9851



59.2390, 62.1881, 65.2731



30.0730, 29.6614, 33.5040



12.9136, 13.5484, 14.0847



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.



30.9234, 32.2711, 30.9851



55.1985, 57.4773, 53.5367



31.9430, 34.5470, 31.3706



6.9271, 7.2342, 7.0169



14.1877, 11.6110, 1.4934



0.2954, 0.2910, 0.0406

Inverse Universe

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



28.9133, 30.6000, 37.6406



50.8009, 53.8213, 68.0976



27.9607, 28.4866, 37.2829



6.5114, 6.8886, 8.3931



6.6898, 5.4712, 26.6107



0.1610, 0.1806, 0.4896

Previews

White Background



This preview shows how the XYZ color 30.9225, 32.2697, 30.9844 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 30.9225, 32.2697, 30.9844 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

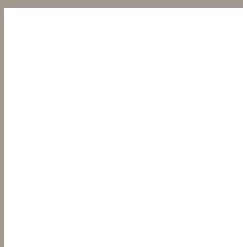
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9225, 32.2697, 30.9844

Background



This preview shows how black text looks on a background with the XYZ color 30.9225, 32.2697, 30.9844.

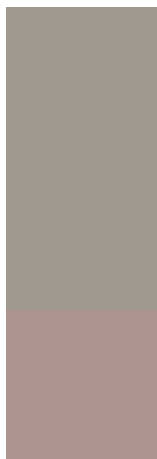


This preview shows how white text looks on a background with the XYZ color 30.9225, 32.2697,

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

30.9225, 32.2697, 30.9844

Protanopia

30.7233, 32.1670, 30.9751

Deuteranopia

32.8715, 32.3099, 31.2920



Tritanopia

32.5322, 32.2079, 38.6845

Trichromacy



Original Color

30.9225, 32.2697, 30.9844

Protanomaly

30.7233, 32.1670, 30.9751

Deuteranomaly

32.1656, 32.1819, 31.3045

Tritanomaly

31.8833, 32.1812, 35.5415

Monochromacy



Original Color

30.9225, 32.2697, 30.9844

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7709, 32.3811, 33.4825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9225, 32.2697, 30.9844 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(160, 153, 144)` looks like.

```
.text, #text, p{  
    color:rgb(160, 153, 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(160, 153, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 153, 144) }
```

Border

The CSS property to change the border of an element to XYZ 30.9225, 32.2697, 30.9844 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(160, 153, 144) }
```


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

```
.border{ border-color:rgb(160, 153, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 153, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 153, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 153, 144);  
box-shadow:4px 4px 4px 4px rgb(160, 153,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9225, 32.2697, 30.9844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 153, 144) }
```

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

```
.background{ background-color: rgb(160,  
153, 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](#).

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