

Converting Colors

XYZ(29.6455, 32.2985, 28.2951)

Have a look what the booklet for
XYZ(29.6455, 32.2985, 28.2951)
contains.

XYZ(29.7302, 32.4531, 28.3640)	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(29.7302, 32.4531,
28.3640)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9C89
RGB	154, 156, 137
RGB Percent	60%, 61%, 54%
CMY	0.3961, 0.3882, 0.4627
CMYK	0.01, 0.00, 0.12, 0.39
HSL	66°, 9%, 57%
HSV	66°, 12%, 61%
XYZ	29.7302, 32.4531, 28.3640
YIQ	153.2360, 4.9070, -6.3330

Conversions

Conversions Part 2

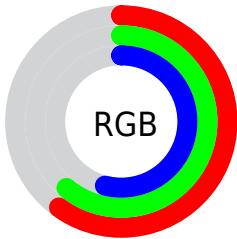
Format	Color
RYB	137, 156, 139
Decimal	10132617
CIELab	63.72, -4.19, 9.71
CIELCh	64, 10.576, 113.358
Yxy	32.4531, 0.3283, 0.3584
Android (android.graphics.Color)	4288322697 (0xFF9A9C89)
YUV	153.2360, -8.0043, 0.6700
Hunter-Lab	56.9676, -6.5380, 10.3570

Details

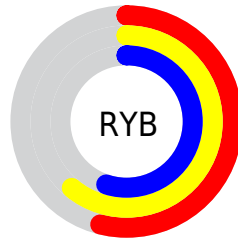
The XYZ color **29.7302, 32.4531, 28.3640** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.5952, 25.7815, 35.0816**, and the grayscale version is **30.4141, 31.9980, 34.8458**.

A 20% lighter version of the original color is **58.3533, 63.2208, 57.8425**, and **12.3654, 13.6748, 11.0046** is the 20% darker color. If you saturate the color by 10%, you get **28.3805, 31.8784, 22.8756**, and if you desaturate by 10%, it is **31.2478, 33.0976, 34.7063**.

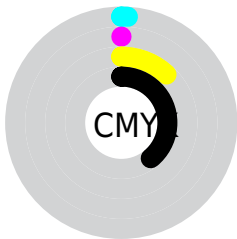
Distribution



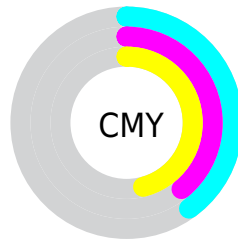
- Red (60%)
- Green (61%)
- Blue (54%)



- Red (54%)
- Yellow (61%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (39%)



- Cyan (40%)
- Magenta (39%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7302, 32.4531, 28.3640 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 29.7302, 32.4531, 28.3640 by changing the saturation by 10% instead.

■ 29.7302, 32.4531,
28.3640

■ 29.7302, 32.4531,
28.3640

292.5773,
313.1781, 308.1687

■ 19.7809, 21.7078,
18.3588

■ 58.6248, 63.5207,
58.0951

■ 12.3432, 13.6424,
11.0358

■ 78.3009, 84.6119,
78.6582

■ 7.0518, 7.8724,
5.9764

■ 101.9499,
109.9204, 103.5775

■ 3.5411, 4.0134,
2.7622

129.9373,
139.8308, 133.2718

■ 1.4460, 1.6810,
0.9745

162.6284,
174.7273, 168.1595

■ 0.2886, 0.4113,
0.0000

200.3885,

■ 0.0000, 0.0000,

214.9945, 208.6592

0.0000

243.5830,
261.0166, 255.1894

■ 29.7302, 32.4531,
28.3640

■ 29.7302, 32.4531,
28.3640

■ 28.3805, 31.8784,
22.8756

■ 31.2478, 33.0976,
34.7063

■ 27.1891, 31.3664,
18.2026

■ 32.9372, 33.8103,
41.9346

■ 26.1495, 30.9156,
14.3066

■ 34.8054, 34.5950,
50.0819

■ 25.2537, 30.5228,
11.1455

■ 36.8582, 35.4540,
59.1790

■ 24.4928, 30.1845,
8.6728

■ 39.1013, 36.3897,
69.2552

■ 23.8570, 29.8967,
6.8373

■ 41.5400, 37.4041,
80.3384

■ 23.3353, 29.6550,
5.5801

■ 44.1794, 38.4993,
92.4556

■ 22.9142, 29.4541,
4.8317

■ 45.9092, 39.2312,
99.7604

■ 22.6295, 29.3152,
4.4657

■ 46.2594, 39.4117,
99.7768

Harmonies

Analogous

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



31.1763, 32.4531, 27.8372



29.7302, 32.4531, 28.3640



28.6164, 32.4531, 30.6879

Triad

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



29.7302, 32.4531, 28.3640



29.1769, 32.4531, 42.2933



33.7621, 32.4531, 36.2878

Complementary

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



29.7302, 32.4531, 28.3640



25.5952, 25.7815, 35.0816

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.



33.1879, 32.4531, 40.4311



29.7302, 32.4531, 28.3640



30.5174, 32.4531, 44.0731

Square

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



29.7302, 32.4531, 28.3640



28.3041, 32.4531, 38.6696



31.9888, 32.4531, 43.3658



33.5350, 32.4531, 32.1996

Rectangle

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



29.7302, 32.4531, 28.3640



28.1965, 32.4531, 33.0509



31.9888, 32.4531, 43.3658



33.6558, 32.4531, 37.7239

Sweetspot

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



29.7311, 32.4545, 28.3647



56.2051, 59.8801, 60.7248



27.4449, 27.3112, 27.4924



12.3231, 13.1574, 13.1750



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.7311, 32.4545, 28.3647



53.2010, 58.6045, 48.2462



28.0117, 31.5681, 28.2842



7.1012, 7.6848, 7.0947



18.6560, 24.1542, 3.6790



0.3514, 0.4411, 0.0666

Inverse Universe

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



25.5952, 25.7815, 35.0816



43.9660, 43.7037, 63.2451



27.2327, 26.6256, 35.1582



6.3465, 6.4671, 8.3205



5.1407, 2.0791, 26.0376



0.1086, 0.0458, 0.4663

Previews

White Background



This preview shows how the XYZ color 29.7302, 32.4531, 28.3640 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 29.7302, 32.4531, 28.3640 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 29.7302, 32.4531, 28.3640

Background



This preview shows how black text looks on a background with the XYZ color 29.7302, 32.4531, 28.3640.



This preview shows how white text looks on a background with the XYZ color 29.7302, 32.4531,

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

29.7302, 32.4531, 28.3640

Protanopia

30.6975, 32.4658, 27.9412

Deuteranopia

33.0141, 32.4438, 28.5670



Tritanopia

32.0296, 32.4059, 39.6888

Trichromacy



Original Color

29.7302, 32.4531, 28.3640

Protanomaly

30.2658, 32.4894, 27.9684

Deuteranomaly

31.7520, 32.5069, 28.6457

Tritanomaly

31.1286, 32.2837, 35.1626

Monochromacy



Original Color

29.7302, 32.4531, 28.3640

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9589, 31.9901, 32.1995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7302, 32.4531, 28.3640 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(154, 156, 137)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 137)  
}
```

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(154, 156, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 137) }
```

Border

The CSS property to change the border of an element to XYZ 29.7302, 32.4531, 28.3640 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(154, 156, 137) }
```


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

```
.border{ border-color:rgb(154, 156, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 137);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7302, 32.4531, 28.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 137) }
```

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

```
.background{ background-color: rgb(154,  
156, 137) }
```

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