

Converting Colors

XYZ(29.7771, 32.2544, 32.4552)

Have a look what the booklet for
XYZ(29.7771, 32.2544, 32.4552)
contains.

XYZ(29.7503, 32.1286, 32.2372)	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(29.7503, 32.1286,
32.2372)**

Conversions

Conversions Part 1

Format	Color
Hex	979B93
RGB	151, 155, 147
RGB Percent	59%, 61%, 58%
CMY	0.4078, 0.3921, 0.4235
CMYK	0.03, 0.00, 0.05, 0.39
HSL	90°, 4%, 59%
HSV	90°, 5%, 61%
XYZ	29.7503, 32.1286, 32.2372
YIQ	152.8920, 0.1840, -3.3360

Conversions

Conversions Part 2

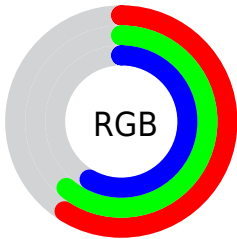
Format	Color
RYB	147, 155, 151
Decimal	9935763
CIELab	63.45, -2.97, 3.68
CIELCh	63, 4.728, 128.871
Yxy	32.1286, 0.3161, 0.3414
Android (android.graphics.Color)	4288125843 (0xFF979B93)
YUV	152.8920, -2.9048, -1.6593
Hunter-Lab	56.6821, -5.5057, 5.9571

Details

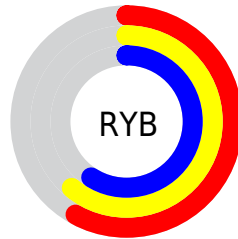
The XYZ color **29.7503, 32.1286, 32.2372** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1139, 29.8142, 35.2323**, and the grayscale version is **30.2442, 31.8193, 34.6512**.

A 20% lighter version of the original color is **58.5199, 62.7971, 64.2951**, and **12.3172, 13.4545, 13.0141** is the 20% darker color. If you saturate the color by 10%, you get **27.2233, 30.9580, 26.1918**, and if you desaturate by 10%, it is **32.5377, 33.4163, 39.1517**.

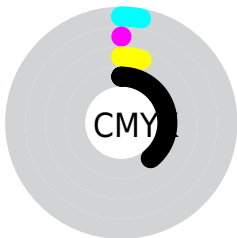
Distribution



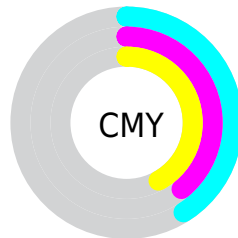
- Red (59%)
- Green (61%)
- Blue (58%)



- Red (58%)
- Yellow (61%)
- Blue (59%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (39%)



- Cyan (41%)
- Magenta (39%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7503, 32.1286, 32.2372 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 29.7503, 32.1286, 32.2372 by changing the saturation by 10% instead.

■ 29.7503, 32.1286,
32.2372

■ 29.7503, 32.1286,
32.2372

292.6696,
311.7046, 326.7243

■ 19.7963, 21.4597,
21.2764

■ 58.6564, 63.0126,
64.2850

■ 12.3544, 13.4605,
13.1330

■ 78.3392, 83.9966,
86.2091

■ 7.0595, 7.7464,
7.3884

101.9956,
109.1877, 112.6247

■ 3.5460, 3.9331,
3.6241

129.9910,
138.9704, 143.9503

■ 1.4486, 1.6362,
1.4215

162.6908,
173.7291, 180.6046

■ 0.2905, 0.3818,
0.1584

200.4602,

■ 0.0000, 0.0000,

213.8481, 223.0060

0.0000

243.6647,
259.7118, 271.5730

■ 29.7503, 32.1286,
32.2372

■ 29.7503, 32.1286,
32.2372

■ 27.2233, 30.9580,
26.1918

■ 32.5377, 33.4163,
39.1517

■ 24.9457, 29.8969,
20.9790

■ 35.5906, 34.8204,
46.9657

■ 22.9096, 28.9429,
16.5629

■ 38.9176, 36.3454,
55.7106

■ 21.1056, 28.0920,
12.9042

■ 42.5258, 37.9944,
65.4157

■ 19.5236, 27.3400,
9.9600

■ 46.4222, 39.7704,
76.1090

■ 18.1526, 26.6822,
7.6833

■ 50.6134, 41.6763,
87.8175

■ 16.9806, 26.1136,
6.0216

■ 55.0247, 43.6822,
100.1391

■ 15.9939, 25.6284,
4.9143

■ 57.2208, 44.8144,
100.2419

■ 15.1753, 25.2195,
4.2833

■ 59.5244, 46.0019,
100.3497

Harmonies

Analogous

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



30.3426, 32.1286, 31.5239



29.7503, 32.1286, 32.2372



29.3725, 32.1286, 33.6929

Triad

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



29.7503, 32.1286, 32.2372



30.0836, 32.1286, 38.4717



31.8042, 32.1286, 34.4269

Complementary

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



29.7503, 32.1286, 32.2372



29.1139, 29.8142, 35.2323

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.



31.7324, 32.1286, 36.3048



29.7503, 32.1286, 32.2372



30.7327, 32.1286, 38.6854

Square

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



29.7503, 32.1286, 32.2372



29.5630, 32.1286, 37.3057



31.3380, 32.1286, 37.8796



31.5327, 32.1286, 32.7580

Rectangle

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



29.7503, 32.1286, 32.2372



29.2900, 32.1286, 34.9112



31.3380, 32.1286, 37.8796



31.8195, 32.1286, 35.0540

Sweetspot

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



29.7512, 32.1300, 32.2379



54.7868, 58.2356, 61.4296



29.8519, 31.2096, 32.0549



12.4142, 13.1876, 13.9376



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.



29.7512, 32.1300, 32.2379



52.8267, 57.3293, 56.6324



29.0214, 31.7537, 32.2037



6.5713, 7.1436, 7.0182



11.9473, 20.1350, 3.2567



0.2205, 0.3226, 0.0506

Inverse Universe

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



29.1139, 29.8142, 35.2323



51.4829, 52.4465, 62.9460



29.8689, 30.2034, 35.2676



6.3949, 6.5026, 7.8470



7.2890, 3.2087, 25.1429



0.1509, 0.0696, 0.3778

Previews

White Background



This preview shows how the XYZ color 29.7503, 32.1286, 32.2372 looks on a white background.

Color Contrast Check

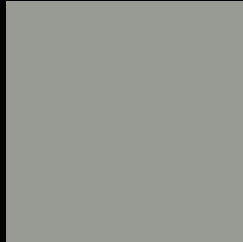
Large Text (above 18pt) WCAG AA × Fail

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 29.7503, 32.1286, 32.2372 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

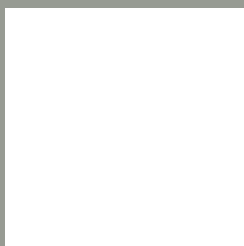
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7503, 32.1286, 32.2372

Background



This preview shows how black text looks on a background with the XYZ color 29.7503, 32.1286, 32.2372.



This preview shows how white text looks on a background with the XYZ color 29.7503, 32.1286,

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

29.7503, 32.1286, 32.2372

Protanopia

30.6801, 32.1269, 31.7782

Deuteranopia

32.5128, 31.8640, 32.4537



Tritanopia

31.2555, 32.0068, 39.6526

Trichromacy



Original Color

29.7503, 32.1286, 32.2372

Protanomaly

30.2615, 32.1551, 31.8057

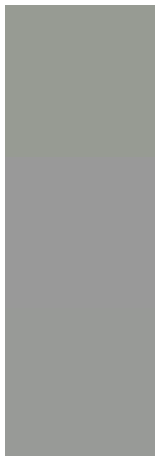
Deuteranomaly

31.5162, 32.0579, 32.5437

Tritanomaly

30.6997, 32.0234, 36.9108

Monochromacy



Original Color

29.7503, 32.1286, 32.2372

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.0904, 32.0210, 33.8729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7503, 32.1286, 32.2372 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(151, 155, 147)` looks like.

```
.text, #text, p{  
    color:rgb(151, 155, 147)  
}
```

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(151, 155, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 155, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.7503, 32.1286, 32.2372 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(151, 155, 147) }
```


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

```
.border{ border-color:rgb(151, 155, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 155, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 155, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 155, 147);  
box-shadow:4px 4px 4px 4px rgb(151, 155,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7503, 32.1286, 32.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 155, 147) }
```

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

```
.background{ background-color: rgb(151,  
155, 147) }
```

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