

Converting Colors

XYZ(28.4609, 32.4922, 20.9159)

Have a look what the booklet for
XYZ(28.4609, 32.4922, 20.9159)
contains.

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Color

**XYZ(28.4582, 32.4638,
20.9859)**

Conversions

Conversions Part 1

Format	Color
Hex	999E73
RGB	153, 158, 115
RGB Percent	60%, 62%, 45%
CMY	0.4000, 0.3804, 0.5490
CMYK	0.03, 0.00, 0.27, 0.38
HSL	67°, 18%, 54%
HSV	67°, 27%, 62%
XYZ	28.4582, 32.4638, 20.9859
YIQ	151.6030, 10.8230, -14.4330

Conversions

Conversions Part 2

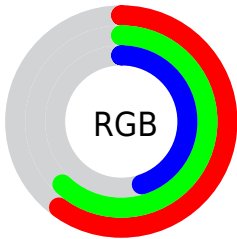
Format	Color
RYB	115, 158, 120
Decimal	10067571
CIELab	63.72, -9.14, 21.93
CIELCh	64, 23.758, 112.631
Yxy	32.4638, 0.3474, 0.3963
Android (android.graphics.Color)	4288257651 (0xFF999E73)
YUV	151.6030, -18.0453, 1.2252
Hunter-Lab	56.9770, -10.5547, 18.0461

Details

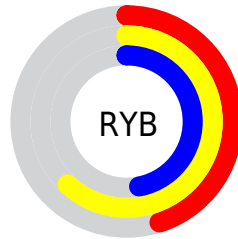
The XYZ color **28.4582, 32.4638, 20.9859** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.0493, 18.7240, 34.9070**, and the grayscale version is **29.7466, 31.2957, 34.0811**.

A 20% lighter version of the original color is **56.7817, 63.7884, 45.8789**, and **11.6079, 13.6754, 7.1821** is the 20% darker color. If you saturate the color by 10%, you get **27.2818, 31.9546, 16.5848**, and if you desaturate by 10%, it is **29.7975, 33.0410, 26.2095**.

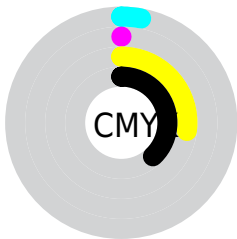
Distribution



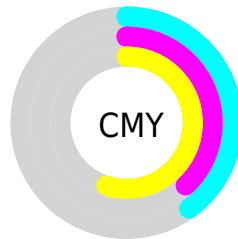
- Red (60%)
- Green (62%)
- Blue (45%)



- Red (45%)
- Yellow (62%)
- Blue (47%)



- Cyan (3%)
- Magenta (0%)
- Yellow (27%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4582, 32.4638, 20.9859 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 28.4582, 32.4638, 20.9859 by changing the saturation by 10% instead.

■ 28.4582, 32.4638,
20.9859

■ 28.4582, 32.4638,
20.9859

286.6905,
313.2266, 269.9821

■ 18.8136, 21.7160,
12.9226

■ 56.6187, 63.5375,
45.9446

■ 11.6388, 13.6484,
7.2451

■ 75.8653, 84.6321,
63.6769

■ 6.5687, 7.8765,
3.5351

■ 99.0432, 109.9446,
85.4694

■ 3.2378, 4.0160,
1.3739

126.5178,
139.8591, 111.7405

■ 1.2807, 1.6825,
0.1213

158.6545,
174.7602, 142.9088

■ 0.1687, 0.4123,
0.0000

195.8186,

■ 0.0000, 0.0000,

215.0322, 179.3928

0.0000

238.3755,
261.0596, 221.6111

■ 28.4582, 32.4638,
20.9859

■ 28.4582, 32.4638,
20.9859

■ 27.2818, 31.9546,
16.5848

■ 29.7975, 33.0410,
26.2095

■ 26.2578, 31.5058,
12.9623

■ 31.3046, 33.6849,
32.2923

■ 25.3784, 31.1155,
10.0734

■ 32.9873, 34.3996,
39.2716

■ 24.6341, 30.7798,
7.8680

■ 34.8520, 35.1878,
47.1815

■ 24.0139, 30.4944,
6.2894

■ 36.9051, 36.0519,
56.0546

■ 23.5055, 30.2543,
5.2719

■ 39.1524, 36.9944,
65.9219

■ 23.0888, 30.0515,
4.7099

■ 41.5995, 38.0174,
76.8127

■ 22.9785, 29.9974,
4.5790

■ 44.2518, 39.1231,
88.7556

■ 46.7574, 40.1708,
99.8971

Harmonies

Analogous

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



31.6839, 32.4638, 20.1084



28.4582, 32.4638, 20.9859



26.0441, 32.4638, 25.3496

Triad

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



28.4582, 32.4638, 20.9859



27.1324, 32.4638, 52.0063



37.6478, 32.4638, 37.7507

Complementary

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



28.4582, 32.4638, 20.9859



20.0493, 18.7240, 34.9070

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.



36.2266, 32.4638, 47.6794



28.4582, 32.4638, 20.9859



30.0424, 32.4638, 56.8181

Square

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



28.4582, 32.4638, 20.9859



25.3179, 32.4638, 42.8797



33.3846, 32.4638, 55.1067



37.1477, 32.4638, 28.7535

Rectangle

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



28.4582, 32.4638, 20.9859



25.1422, 32.4638, 30.1537



33.3846, 32.4638, 55.1067



37.3756, 32.4638, 41.1060

Sweetspot

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



28.4590, 32.4652, 20.9866



56.5752, 61.0529, 57.5327



23.8287, 21.7730, 19.1668



12.6623, 13.7249, 12.5938



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.



28.4590, 32.4652, 20.9866



50.2717, 58.3441, 32.8044



24.8696, 30.6148, 20.8186



7.0941, 7.6812, 7.0944



18.4237, 24.0345, 3.6681



0.3488, 0.4398, 0.0665

Inverse Universe

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



20.0493, 18.7240, 34.9070



32.2629, 28.9120, 62.6236



23.2539, 20.3760, 35.0569



6.3529, 6.4704, 8.3208



5.1672, 2.0928, 26.0388



0.1107, 0.0468, 0.4664

Previews

White Background



This preview shows how the XYZ color 28.4582, 32.4638, 20.9859 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 28.4582, 32.4638, 20.9859 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

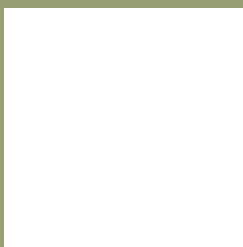
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4582, 32.4638, 20.9859

Background



This preview shows how black text looks on a background with the XYZ color 28.4582, 32.4638, 20.9859.



This preview shows how white text looks on a background with the XYZ color 28.4582, 32.4638,

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

28.4582, 32.4638, 20.9859

Protanopia

30.2621, 32.4104, 20.2836

Deuteranopia

32.8568, 32.2879, 21.3301



Tritanopia

32.2272, 32.5077, 39.6980

Trichromacy



Original Color

28.4582, 32.4638, 20.9859

Protanomaly

29.4565, 32.2347, 20.5890

Deuteranomaly

31.1752, 32.3754, 21.1290

Tritanomaly

30.6485, 32.3546, 31.8238

Monochromacy



Original Color

28.4582, 32.4638, 20.9859

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.1647, 31.6507, 28.9981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4582, 32.4638, 20.9859 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(153, 158, 115)` looks like.

```
.text, #text, p{  
    color:rgb(153, 158, 115)  
}
```

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(153, 158, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 158, 115) }
```

Border

The CSS property to change the border of an element to XYZ 28.4582, 32.4638, 20.9859 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(153, 158, 115) }
```


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

```
.border{ border-color:rgb(153, 158, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 158, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 158, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 158, 115);  
box-shadow:4px 4px 4px 4px rgb(153, 158,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4582, 32.4638, 20.9859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 158, 115) }
```

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

```
.background{ background-color: rgb(153,  
158, 115) }
```

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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