

Converting Colors

XYZ(28.4590, 32.5515, 16.1122)

Have a look what the booklet for
XYZ(28.4590, 32.5515, 16.1122)
contains.

XYZ(28.4851, 32.5859, 16.0976)	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(28.4851, 32.5859,
16.0976)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9E61
RGB	158, 158, 97
RGB Percent	62%, 62%, 38%
CMY	0.3804, 0.3804, 0.6196
CMYK	0.00, 0.00, 0.39, 0.38
HSL	60°, 24%, 50%
HSV	60°, 39%, 62%
XYZ	28.4851, 32.5859, 16.0976
YIQ	151.0460, 19.5810, -18.9710

Conversions

Conversions Part 2

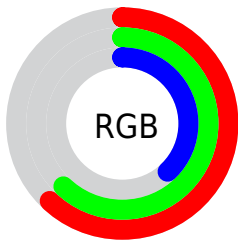
Format	Color
RYB	97, 158, 97
Decimal	10395233
CIELab	63.82, -9.47, 31.87
CIELCh	64, 33.250, 106.542
Yxy	32.5859, 0.3691, 0.4223
Android (android.graphics.Color)	4288585313 (0xFF9E9E61)
YUV	151.0460, -26.6447, 6.0987
Hunter-Lab	57.0841, -10.8251, 23.2392

Details

The XYZ color **28.4851, 32.5859, 16.0976** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3771, 13.5602, 34.1566**, and the grayscale version is **29.5404, 31.0788, 33.8448**.

A 20% lighter version of the original color is **56.8711, 64.0228, 37.3772**, and **11.6378, 13.7404, 4.9445** is the 20% darker color. If you saturate the color by 10%, you get **27.8207, 32.3213, 12.5965**, and if you desaturate by 10%, it is **29.2979, 32.9122, 20.3729**.

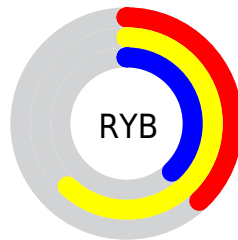
Distribution



Red (62%)

Green (62%)

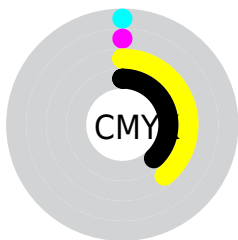
Blue (38%)



Red (38%)

Yellow (62%)

Blue (38%)

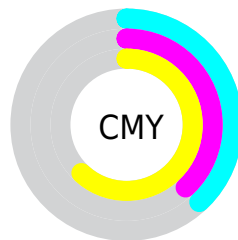


Cyan (0%)

Magenta (0%)

Yellow (39%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4851, 32.5859, 16.0976 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 28.4851, 32.5859, 16.0976 by changing the saturation by 10% instead.

■ 28.4851, 32.5859,
16.0976

■ 28.4851, 32.5859,
16.0976

286.8159,
313.7796, 241.7823

■ 18.8340, 21.8094,
9.4381

■ 56.6612, 63.7285,
37.5367

■ 11.6537, 13.7169,
4.9274

■ 75.9170, 84.8633,
53.1534

■ 6.5788, 7.9240,
2.1467

■ 99.1049, 110.2198,
72.5930

■ 3.2441, 4.0464,
0.6434

■ 126.5905,
140.1822, 96.2739

■ 1.2841, 1.6995,
0.0000

158.7390,
175.1350, 124.6148

■ 0.1713, 0.4234,
0.0000

195.9159,

■ 0.0000, 0.0000,

215.4626, 158.0341

0.0000

238.4864,
261.5493, 196.9504

■ 28.4851, 32.5859,
16.0976

■ 28.4851, 32.5859,
16.0976

■ 27.8207, 32.3213,
12.5965

■ 29.2979, 32.9122,
20.3729

■ 27.2935, 32.1104,
9.8215

■ 30.2646, 33.2989,
25.4628

■ 26.8947, 31.9508,
7.7222

■ 31.3937, 33.7506,
31.4072

■ 26.6132, 31.8382,
6.2410

■ 32.6920, 34.2699,
38.2427

■ 26.4363, 31.7674,
5.3106

■ 34.1661, 34.8596,
46.0041

■ 26.3390, 31.7285,
4.7991

■ 35.8222, 35.5220,
54.7239

■ 26.3269, 31.7236,
4.7357

■ 37.6662, 36.2597,
64.4334

■ 39.7038, 37.0747,
75.1622

■ 41.9404, 37.9694,
86.9389

Harmonies

Analogous

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



33.1090, 32.5859, 15.8870



28.4851, 32.5859, 16.0976



24.9007, 32.5859, 20.5692

Triad

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



28.4851, 32.5859, 16.0976



25.1973, 32.5859, 57.6117



40.5509, 32.5859, 41.8082

Complementary

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



28.4851, 32.5859, 16.0976



15.3771, 13.5602, 34.1566

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.



37.9576, 32.5859, 56.2704



28.4851, 32.5859, 16.0976



28.9288, 32.5859, 66.8264

Square

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



28.4851, 32.5859, 16.0976



23.1372, 32.5859, 43.3174



33.5994, 32.5859, 66.2816



40.4014, 32.5859, 28.6509

Rectangle

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



28.4851, 32.5859, 16.0976



23.4435, 32.5859, 26.1966



33.5994, 32.5859, 66.2816



39.9608, 32.5859, 46.7334

Sweetspot

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



28.4859, 32.5874, 16.0983



56.2292, 60.9760, 52.9341



20.5340, 16.6823, 13.4474



12.6205, 13.7244, 11.6374



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.



28.4859, 32.5874, 16.0983



50.7076, 58.7672, 23.8650



23.2128, 29.8690, 15.8515



7.1701, 7.7204, 7.0979



21.0839, 25.4059, 3.7926



0.3770, 0.4543, 0.0678

Inverse Universe

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



15.3771, 13.5602, 34.1566



23.5749, 19.3843, 61.2425



19.2743, 15.5692, 34.3390



6.2848, 6.4353, 8.3176



4.9429, 1.9772, 26.0283



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 28.4851, 32.5859, 16.0976 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 28.4851, 32.5859, 16.0976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

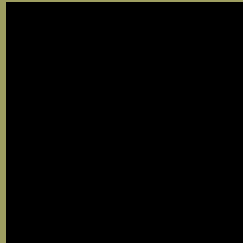
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4851, 32.5859, 16.0976

Background



This preview shows how black text looks on a background with the XYZ color 28.4851, 32.5859, 16.0976.



This preview shows how white text looks on a background with the XYZ color 28.4851, 32.5859,

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

28.4851, 32.5859, 16.0976

Protanopia

30.1949, 32.7222, 15.7909

Deuteranopia

33.0917, 32.5198, 16.3372



Tritanopia

32.9450, 32.4207, 38.7038

Trichromacy



Original Color

28.4851, 32.5859, 16.0976

Protanomaly

29.5168, 32.6208, 15.8071

Deuteranomaly

31.3373, 32.5684, 16.1900

Tritanomaly

30.8790, 32.2988, 28.6516

Monochromacy



Original Color

28.4851, 32.5859, 16.0976

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.9788, 31.6199, 26.0486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4851, 32.5859, 16.0976 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(158, 158, 97)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 97)  
}
```

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(158, 158, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 97) }
```

Border

The CSS property to change the border of an element to XYZ 28.4851, 32.5859, 16.0976 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(158, 158, 97) }
```


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

```
.border{ border-color:rgb(158, 158, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 97);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4851, 32.5859, 16.0976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 97) }
```

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

```
.background{ background-color: rgb(158,  
158, 97) }
```

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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