

Converting Colors

XYZ(29.6681, 32.8740, 16.3664)

Have a look what the booklet for
XYZ(29.6681, 32.8740, 16.3664)
contains.

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Color

**XYZ(29.7786, 32.9951,
16.3545)**

Conversions

Conversions Part 1

Format	Color
Hex	A59D62
RGB	165, 157, 98
RGB Percent	65%, 62%, 38%
CMY	0.3529, 0.3843, 0.6157
CMYK	0.00, 0.05, 0.41, 0.35
HSL	53°, 27%, 52%
HSV	53°, 41%, 65%
XYZ	29.7786, 32.9951, 16.3545
YIQ	152.6660, 23.7070, -16.6530

Conversions

Conversions Part 2

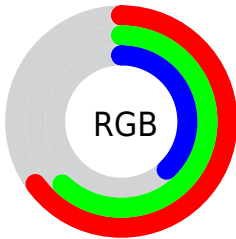
Format	Color
RYB	107, 165, 98
Decimal	10853730
CIELab	64.16, -5.91, 31.89
CIELCh	64, 32.431, 100.502
Yxy	32.9951, 0.3763, 0.4170
Android (android.graphics.Color)	4289043810 (0xFFA59D62)
YUV	152.6660, -26.9503, 10.8169
Hunter-Lab	57.4414, -7.9849, 23.3281

Details

The XYZ color **29.7786, 32.9951, 16.3545** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.9825, 15.6209, 37.7173**, and the grayscale version is **30.2399, 31.8147, 34.6463**.

A 20% lighter version of the original color is **58.6181, 64.1627, 38.1493**, and **12.4118, 13.9831, 5.0624** is the 20% darker color. If you saturate the color by 10%, you get **28.7483, 32.0554, 12.5557**, and if you desaturate by 10%, it is **30.9765, 34.0128, 21.0023**.

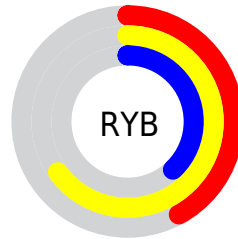
Distribution



Red (65%)

Green (62%)

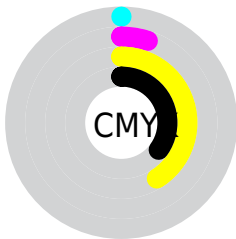
Blue (38%)



Red (42%)

Yellow (65%)

Blue (38%)

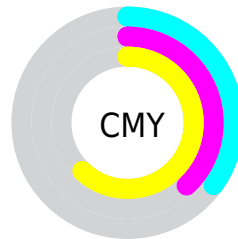


Cyan (0%)

Magenta (5%)

Yellow (41%)

Black (35%)



Cyan (35%)

Magenta (38%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7786, 32.9951, 16.3545 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 29.7786, 32.9951, 16.3545 by changing the saturation by 10% instead.

■ 29.7786, 32.9951,
16.3545

■ 29.7786, 32.9951,
16.3545

292.7995,
315.6277, 243.3413

■ 19.8178, 22.1227,
9.6183

■ 58.7009, 64.3679,
37.9879

■ 12.3702, 13.9471,
5.0443

■ 78.3932, 85.6370,
53.7221

■ 7.0703, 8.0839,
2.2141

■ 102.0600,
111.1406, 73.2928

■ 3.5528, 4.1487,
0.6825

■ 130.0666,
141.2629, 97.1184

■ 1.4524, 1.7571,
0.0000

162.7786,
176.3883, 125.6175

■ 0.2931, 0.4602,
0.0000

200.5611,

■ 0.0000, 0.0000,

216.9014, 159.2087

0.0000

243.7796,
263.1863, 198.3104

■ 29.7786, 32.9951,
16.3545

■ 29.7786, 32.9951,
16.3545

■ 28.7483, 32.0554,
12.5557

■ 30.9765, 34.0128,
21.0023

■ 27.8733, 31.1851,
9.5516

■ 32.3487, 35.1077,
26.5449

■ 27.1432, 30.3814,
7.2845

■ 33.9045, 36.2847,
33.0274

■ 26.5455, 29.6390,
5.6885

■ 35.6516, 37.5470,
40.4911

■ 26.0653, 28.9522,
4.6855

■ 37.5977, 38.8975,
48.9749

■ 25.6897, 28.3447,
4.1171

■ 39.7495, 40.3392,
58.5156

■ 42.1139, 41.8747,
69.1482

■ 44.6972, 43.5066,
80.9060

■ 47.5054, 45.2374,
93.8210

Harmonies

Analogous

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



34.4018, 32.9951, 16.9697



29.7786, 32.9951, 16.3545



25.9678, 32.9951, 19.9220

Triad

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



29.7786, 32.9951, 16.3545



25.1136, 32.9951, 54.9831



40.4439, 32.9951, 45.0464

Complementary

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



29.7786, 32.9951, 16.3545



16.9825, 15.6209, 37.7173

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.



37.4532, 32.9951, 58.7933



29.7786, 32.9951, 16.3545



28.5046, 32.9951, 65.4303

Square

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



29.7786, 32.9951, 16.3545



23.4544, 32.9951, 40.7359



32.9982, 32.9951, 66.9735



40.8702, 32.9951, 31.5105

Rectangle

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



29.7786, 32.9951, 16.3545



24.2853, 32.9951, 24.8560



32.9982, 32.9951, 66.9735



39.6923, 32.9951, 49.8741

Sweetspot

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



29.7794, 32.9966, 16.3552



60.2479, 64.6329, 57.1578



22.5353, 17.7952, 16.1391



13.0951, 14.0731, 12.1757



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.7794, 32.9966, 16.3552



51.6076, 57.5241, 22.9196



26.5483, 33.4053, 16.6044



7.5770, 8.0923, 7.5427



19.4585, 21.4910, 3.1226



0.4278, 0.4895, 0.0719

Inverse Universe

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



16.9825, 15.6209, 37.7173



25.4307, 21.9939, 66.6572



19.2661, 15.6315, 37.5990



6.7654, 6.9898, 8.8957



5.3437, 2.4669, 27.1243



0.1311, 0.0894, 0.5762

Previews

White Background



This preview shows how the XYZ color 29.7786, 32.9951, 16.3545 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 29.7786, 32.9951, 16.3545 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 29.7786, 32.9951, 16.3545

Background



This preview shows how black text looks on a background with the XYZ color 29.7786, 32.9951, 16.3545.



This preview shows how white text looks on a background with the XYZ color 29.7786, 32.9951,

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

29.7786, 32.9951, 16.3545

Protanopia

30.4566, 32.8518, 16.0451

Deuteranopia

33.5412, 32.9798, 16.6545



Tritanopia

34.1937, 32.8388, 38.2545

Trichromacy



Original Color

29.7786, 32.9951, 16.3545

Protanomaly

30.1946, 32.9648, 16.0807

Deuteranomaly

32.0708, 32.9410, 16.4723

Tritanomaly

32.1779, 32.7265, 28.6656

Monochromacy



Original Color

29.7786, 32.9951, 16.3545

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.6939, 31.9728, 26.7966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7786, 32.9951, 16.3545 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(165, 157, 98)` looks like.

```
.text, #text, p{  
    color:rgb(165, 157, 98)  
}
```

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(165, 157, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 157, 98) }
```

Border

The CSS property to change the border of an element to XYZ 29.7786, 32.9951, 16.3545 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(165, 157, 98) }
```


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

```
.border{ border-color:rgb(165, 157, 98) }
```

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

Here you see how a box with a 4 pixel rgb(165, 157, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 157, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 157, 98);  
box-shadow:4px 4px 4px 4px rgb(165, 157,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7786, 32.9951, 16.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 157, 98) }
```

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

```
.background{ background-color: rgb(165,  
157, 98) }
```

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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