

Converting Colors

XYZ(29.9852, 28.9954, 20.0548)

Have a look what the booklet for
XYZ(29.9852, 28.9954, 20.0548)
contains.

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Color

**XYZ(30.0945, 29.0850,
19.9474)**

Conversions

Conversions Part 1

Format	Color
Hex	AF8C72
RGB	175, 140, 114
RGB Percent	69%, 55%, 45%
CMY	0.3137, 0.4510, 0.5529
CMYK	0.00, 0.20, 0.35, 0.31
HSL	26°, 28%, 57%
HSV	26°, 35%, 69%
XYZ	30.0945, 29.0850, 19.9474
YIQ	147.5010, 29.2060, -0.6660

Conversions

Conversions Part 2

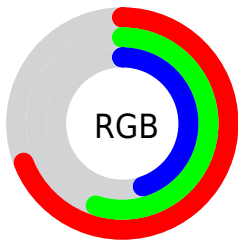
Format	Color
R_{YB}	175, 159, 114
Decimal	11504754
CIE _{Lab}	60.86, 9.51, 18.92
CIE _{LCh}	61, 21.178, 63.313
Yxy	29.0850, 0.3803, 0.3676
Android (android.graphics.Color)	4289694834 (0xFFAF8C72)
YUV	147.5010, -16.5160, 24.1166
Hunter-Lab	53.9305, 5.2288, 15.8216

Details

The XYZ color **30.0945, 29.0850, 19.9474** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **25.4244, 28.1665, 44.6541**, and the grayscale version is **27.9992, 29.4574, 32.0791**.

A 20% lighter version of the original color is **59.4534, 58.4926, 44.2331**, and **12.5247, 11.7706, 6.7661** is the 20% darker color. If you saturate the color by 10%, you get **27.7916, 25.9236, 14.7267**, and if you desaturate by 10%, it is **32.7234, 32.5931, 26.2177**.

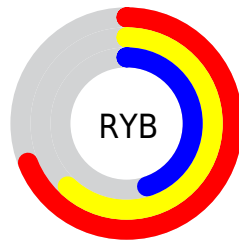
Distribution



Red (69%)

Green (55%)

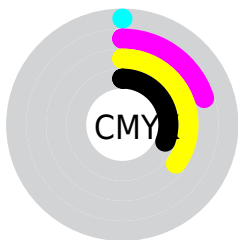
Blue (45%)



Red (69%)

Yellow (62%)

Blue (45%)

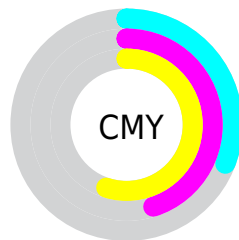


Cyan (0%)

Magenta (20%)

Yellow (35%)

Black (31%)



Cyan (31%)

Magenta (45%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0945, 29.0850, 19.9474 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 30.0945, 29.0850, 19.9474 by changing the saturation by 10% instead.

■ 30.0945, 29.0850,
19.9474

■ 30.0945, 29.0850,
19.9474

294.2466,
297.6158, 264.2250

■ 20.0588, 19.1451,
12.1731

■ 59.1972, 58.2121,
44.1868

■ 12.5463, 11.7752,
6.7377

■ 78.9949, 78.1681,
61.4890

■ 7.1917, 6.5908,
3.2227

■ 102.7772,
102.2317, 82.8042

■ 3.6297, 3.2075,
1.2094

■ 130.9096,
130.7871, 108.5510

■ 1.4948, 1.2410,
0.0000

163.7574,
164.2189, 139.1480

■ 0.3223, 0.0948,
0.0000

201.6859,

■ 0.0000, 0.0000,

202.9113, 175.0136

0.0000

245.0605,
247.2488, 216.5664

■ 30.0945, 29.0850,
19.9474

■ 30.0945, 29.0850,
19.9474

■ 27.7916, 25.9236,
14.7267

■ 32.7234, 32.5931,
26.2177

■ 25.7979, 23.0933,
10.4951

■ 35.6895, 36.4547,
33.5897

■ 24.0986, 20.5833,
7.1888

■ 39.0062, 40.6816,
42.1144

■ 22.6761, 18.3804,
4.7356

■ 42.6854, 45.2835,
51.8389

■ 21.5110, 16.4703,
3.0522

■ 46.7385, 50.2699,
62.8076

■ 20.5800, 14.8367,
2.0376

■ 51.1763, 55.6500,
75.0629

■ 20.1683, 14.0922,
1.6571

■ 56.0091, 61.4326,
88.6449

■ 61.2470, 67.6262,
103.5920

■ 64.1272, 73.1301,
105.3434

Harmonies

Analogous

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



32.3158, 29.0850, 24.0401



30.0945, 29.0850, 19.9474



27.3392, 29.0850, 18.8003

Triad

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



30.0945, 29.0850, 19.9474



22.6822, 29.0850, 32.5542



30.6596, 29.0850, 46.1274

Complementary

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



30.0945, 29.0850, 19.9474



25.4244, 28.1665, 44.6541

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.



27.9519, 29.0850, 49.3740



30.0945, 29.0850, 19.9474



23.4464, 29.0850, 40.7610

Square

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



30.0945, 29.0850, 19.9474



23.1729, 29.0850, 25.3272



25.3311, 29.0850, 47.2641



32.6570, 29.0850, 38.9890

Rectangle

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



30.0945, 29.0850, 19.9474



25.5989, 29.0850, 19.6711



25.3311, 29.0850, 47.2641



29.7961, 29.0850, 47.7593

Sweetspot

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



30.0952, 29.0864, 19.9480



66.6213, 68.7522, 67.0464



29.1682, 23.3375, 31.6460



14.6275, 15.0513, 14.4410



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.0952, 29.0864, 19.9480



50.6054, 47.5845, 28.2152



35.0756, 39.0471, 21.6081



8.2754, 8.5557, 8.4286



14.5017, 10.2089, 1.2062



0.4584, 0.3939, 0.0519

Inverse Universe

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



25.4244, 28.1665, 44.6541



40.9419, 45.6703, 79.2943



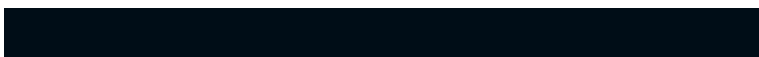
21.2843, 19.8864, 43.2740



7.9460, 8.4913, 10.1729



8.8943, 8.9224, 30.2979



0.3002, 0.3538, 0.8605

Previews

White Background



This preview shows how the XYZ color 30.0945, 29.0850, 19.9474 looks on a white background.

Color Contrast Check

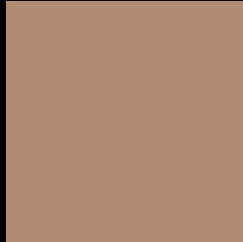
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0945, 29.0850, 19.9474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

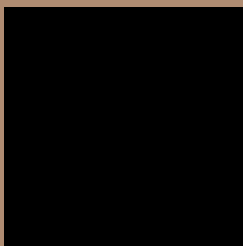
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0945, 29.0850, 19.9474

Background



This preview shows how black text looks on a background with the XYZ color 30.0945, 29.0850, 19.9474.



This preview shows how white text looks on a background with the XYZ color 30.0945, 29.0850,

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

30.0945, 29.0850, 19.9474

Protanopia

27.3549, 29.2197, 21.0278

Deuteranopia

29.5754, 29.0353, 19.9652



Tritanopia

32.3526, 29.1486, 31.1152

Trichromacy



Original Color

30.0945, 29.0850, 19.9474

Protanomaly

28.2299, 28.9940, 20.6315

Deuteranomaly

29.7957, 29.1489, 19.9755

Tritanomaly

31.3802, 28.9597, 26.4901

Monochromacy



Original Color

30.0945, 29.0850, 19.9474

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.6699, 29.2975, 27.4365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0945, 29.0850, 19.9474 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(175, 140, 114)` looks like.

```
.text, #text, p{  
    color:rgb(175, 140, 114)  
}
```

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(175, 140, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 140, 114) }
```

Border

The CSS property to change the border of an element to XYZ 30.0945, 29.0850, 19.9474 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(175, 140, 114) }
```


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

```
.border{ border-color:rgb(175, 140, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 140, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 140, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 140, 114);  
box-shadow:4px 4px 4px 4px rgb(175, 140,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0945, 29.0850, 19.9474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 140, 114) }
```

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

```
.background{ background-color: rgb(175,  
140, 114) }
```

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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