

Converting Colors

XYZ(29.9819, 27.8955, 21.6139)

Have a look what the booklet for
XYZ(29.9819, 27.8955, 21.6139)
contains.

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Color

**XYZ(29.9586, 27.9141,
21.5783)**

Conversions

Conversions Part 1

Format	Color
Hex	B08778
RGB	176, 135, 120
RGB Percent	69%, 53%, 47%
CMY	0.3098, 0.4706, 0.5294
CMYK	0.00, 0.23, 0.32, 0.31
HSL	16°, 26%, 58%
HSV	16°, 32%, 69%
XYZ	29.9586, 27.9141, 21.5783
YIQ	145.5490, 29.2510, 4.0270

Conversions

Conversions Part 2

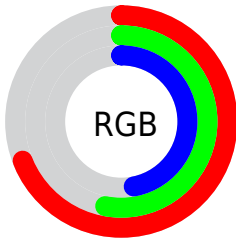
Format	Color
R_{YB}	176, 140, 120
Decimal	11569016
CIE _{Lab}	59.81, 13.50, 14.10
CIE _{LCh}	60, 19.526, 46.245
Yxy	27.9141, 0.3771, 0.3513
Android (android.graphics.Color)	4289759096 (0xFFB08778)
YUV	145.5490, -12.5957, 26.7055
Hunter-Lab	52.8338, 8.7566, 12.7685

Details

The XYZ color **29.9586, 27.9141, 21.5783** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **28.3266, 32.6163, 45.8769**, and the grayscale version is **27.1792, 28.5946, 31.1396**.

A 20% lighter version of the original color is **59.0339, 56.2686, 46.7792**, and **12.4119, 11.0895, 7.4475** is the 20% darker color. If you saturate the color by 10%, you get **27.2970, 24.1459, 15.8969**, and if you desaturate by 10%, it is **33.0356, 32.1986, 28.3674**.

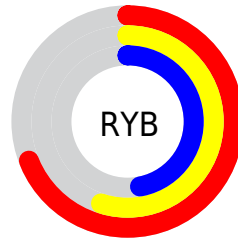
Distribution



Red (69%)

Green (53%)

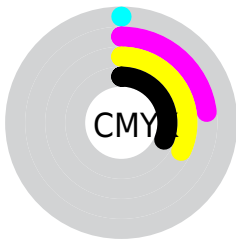
Blue (47%)



Red (69%)

Yellow (55%)

Blue (47%)

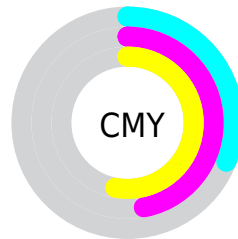


Cyan (0%)

Magenta (23%)

Yellow (32%)

Black (31%)



Cyan (31%)

Magenta (47%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9586, 27.9141, 21.5783 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 29.9586, 27.9141, 21.5783 by changing the saturation by 10% instead.

■ 29.9586, 27.9141,
21.5783

■ 29.9586, 27.9141,
21.5783

293.6247,
292.0562, 273.2174

■ 19.9551, 18.2609,
13.3520

■ 58.9838, 56.3473,
46.9412

■ 12.4705, 11.1375,
7.5378

■ 78.7361, 75.8960,
64.9150

■ 7.1394, 6.1594,
3.7172

■ 102.4688, 99.5121,
86.9750

■ 3.5965, 2.9422,
1.4715

130.5472,
127.5800, 113.5397

■ 1.4765, 1.1016,
0.1966

163.3367,
160.4839, 145.0278

■ 0.3098, 0.0000,
0.0000

201.2025,

■ 0.0000, 0.0000,

198.6083, 181.8577

0.0000

244.5100,
242.3376, 224.4481

■ 29.9586, 27.9141,
21.5783

■ 29.9586, 27.9141,
21.5783

■ 27.2970, 24.1459,
15.8969

■ 33.0356, 32.1986,
28.3674

■ 25.0301, 20.8704,
11.2621

■ 36.5431, 37.0141,
36.3174

■ 23.1386, 18.0677,
7.6098

■ 40.4982, 42.3797,
45.4800

■ 21.6007, 15.7151,
4.8675

■ 44.9161, 48.3123,
55.9033

■ 20.3919, 13.7878,
2.9531

■ 49.8117, 54.8280,
67.6328

■ 19.4843, 12.2586,
1.7691

■ 55.1988, 61.9423,
80.7117

■ 18.9272, 11.2755,
1.1788

■ 61.0909, 69.6700,
95.1812

■ 66.5526, 77.6464,
106.0873

■ 70.4409, 85.4230,
107.3834

Harmonies

Analogous

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



31.3648, 27.9141, 26.7401



29.9586, 27.9141, 21.5783



27.6785, 27.9141, 18.9899

Triad

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



29.9586, 27.9141, 21.5783



22.1746, 27.9141, 27.2686



27.8844, 27.9141, 45.4367

Complementary

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



29.9586, 27.9141, 21.5783



28.3266, 32.6163, 45.8769

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.



25.4166, 27.9141, 45.6373



29.9586, 27.9141, 21.5783



22.2221, 27.9141, 34.3658

Square

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



29.9586, 27.9141, 21.5783



23.2422, 27.9141, 21.9132



23.3763, 27.9141, 41.3324



30.1174, 27.9141, 40.8207

Rectangle

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



29.9586, 27.9141, 21.5783



26.0175, 27.9141, 18.7643



23.3763, 27.9141, 41.3324



27.0523, 27.9141, 46.0447

Sweetspot

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



29.9593, 27.9154, 21.5789



67.3990, 68.6605, 68.4439



31.0600, 25.2389, 36.9837



14.4033, 14.6030, 14.3663



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.



29.9593, 27.9154, 21.5789



50.9509, 45.8495, 31.8699



34.3801, 36.7570, 23.0525



8.6755, 8.8634, 8.9061



13.9295, 8.3576, 0.8790



0.4875, 0.3614, 0.0441

Inverse Universe

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



28.3266, 32.6163, 45.8769



47.5216, 55.6690, 82.7358



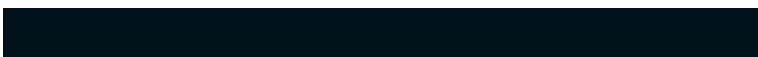
23.9791, 23.9213, 44.4277



8.5462, 9.2387, 10.8391



11.5448, 13.8900, 32.2096



0.4082, 0.5270, 1.0284

Previews

White Background



This preview shows how the XYZ color 29.9586, 27.9141, 21.5783 looks on a white background.

Color Contrast Check

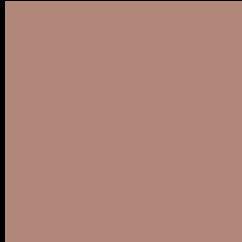
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9586, 27.9141, 21.5783 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 29.9586, 27.9141, 21.5783

Background



This preview shows how black text looks on a background with the XYZ color 29.9586, 27.9141, 21.5783.



This preview shows how white text looks on a background with the XYZ color 29.9586, 27.9141,

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

29.9586, 27.9141, 21.5783

Protanopia

26.3738, 27.9811, 23.0796

Deuteranopia

28.4987, 28.0126, 21.3577



Tritanopia

31.4938, 27.9205, 29.3205

Trichromacy



Original Color

29.9586, 27.9141, 21.5783

Protanomaly

27.5972, 27.9534, 22.6799

Deuteranomaly

28.9958, 28.0549, 21.3397

Tritanomaly

30.8221, 27.8434, 26.3041

Monochromacy



Original Color

29.9586, 27.9141, 21.5783

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.0930, 28.3202, 27.6526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9586, 27.9141, 21.5783 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(176, 135, 120)` looks like.

```
.text, #text, p{  
    color:rgb(176, 135, 120)  
}
```

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(176, 135, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 135, 120) }
```

Border

The CSS property to change the border of an element to XYZ 29.9586, 27.9141, 21.5783 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(176, 135, 120) }
```


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

```
.border{ border-color:rgb(176, 135, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 135, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 135, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 135, 120);  
box-shadow:4px 4px 4px 4px rgb(176, 135,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9586, 27.9141, 21.5783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 135, 120) }
```

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

```
.background{ background-color: rgb(176,  
135, 120) }
```

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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