

Converting Colors

XYZ(30.0910, 27.2272, 9.0353)

Have a look what the booklet for
XYZ(30.0910, 27.2272, 9.0353)
contains.

XYZ(29.9820, 27.1893, 8.9780)	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(29.9820, 27.1893,
8.9780)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8243
RGB	189, 130, 67
RGB Percent	74%, 51%, 26%
CMY	0.2588, 0.4902, 0.7372
CMYK	0.00, 0.31, 0.65, 0.26
HSL	31°, 48%, 50%
HSV	31°, 65%, 74%
XYZ	29.9820, 27.1893, 8.9780
YIQ	140.4590, 55.3870, -7.0850

Conversions

Conversions Part 2

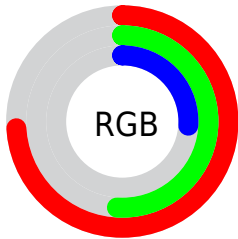
Format	Color
RYB	181, 189, 67
Decimal	12419651
CIELab	59.15, 16.45, 42.52
CIELCh	59, 45.587, 68.854
Yxy	27.1893, 0.4532, 0.4110
Android (android.graphics.Color)	4290609731 (0xFFBD8243)
YUV	140.4590, -36.2153, 42.5705
Hunter-Lab	52.1434, 11.3851, 26.2918

Details

The XYZ color **29.9820, 27.1893, 8.9780** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.9605, 19.7881, 50.9640**, and the grayscale version is **25.2283, 26.5421, 28.9043**.

A 20% lighter version of the original color is **58.8558, 55.1078, 24.3645**, and **12.5673, 10.8341, 2.0011** is the 20% darker color. If you saturate the color by 10%, you get **28.3428, 24.6751, 6.0763**, and if you desaturate by 10%, it is **31.9155, 29.9962, 12.8910**.

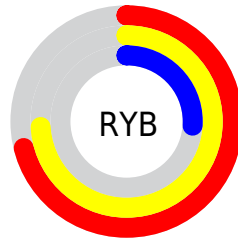
Distribution



Red (74%)

Green (51%)

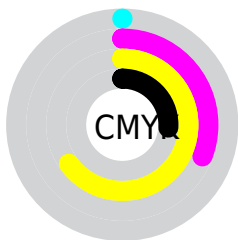
Blue (26%)



Red (71%)

Yellow (74%)

Blue (26%)

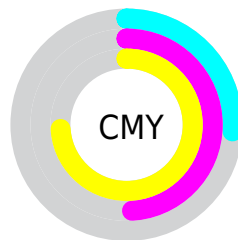


Cyan (0%)

Magenta (31%)

Yellow (65%)

Black (26%)



Cyan (26%)


Magenta (49%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9820, 27.1893, 8.9780 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 29.9820, 27.1893, 8.9780 by changing the saturation by 10% instead.


 29.9820, 27.1893,
8.9780

 29.9820, 27.1893,
8.9780


293.7319,
288.5725, 193.4257


 19.9729, 17.7154,
4.6302


 59.0205, 55.1875,
24.4316


 12.4835, 10.7459,
1.9771


 78.7807, 74.4806,
36.3746

 7.1484, 5.8962,
0.5411


 102.5220, 97.8156,
51.6863

 3.6022, 2.7821,
0.0000

 130.6097,
125.5769, 70.7853

 1.4797, 1.0190,
0.0000

 163.4091,
158.1488, 94.0903

 0.3119, 0.0000,
0.0000

201.2858,

 0.0000, 0.0000,

195.9158, 122.0196

0.0000

244.6049,
239.2622, 154.9919

■ 29.9820, 27.1893,
8.9780

■ 29.9820, 27.1893,
8.9780

■ 28.3428, 24.6751,
6.0763

■ 31.9155, 29.9962,
12.8910

■ 26.9744, 22.4365,
4.0845

■ 34.1603, 33.1036,
17.9004

■ 25.8518, 20.4598,
2.8824

■ 36.7341, 36.5239,
24.0837

■ 25.3170, 19.4804,
2.4257

■ 39.6527, 40.2674,
31.5111

■ 42.9305, 44.3437,
40.2470

■ 46.5812, 48.7622,
50.3517

■ 50.6176, 53.5315,
61.8812

■ 55.0518, 58.6601,
74.8888

■ 59.8955, 64.1562,
89.4249

Harmonies

Analogous

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



35.3048, 27.1893, 14.0100



29.9820, 27.1893, 8.9780



24.1994, 27.1893, 8.2187

Triad

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



29.9820, 27.1893, 8.9780



16.4914, 27.1893, 34.6791



33.3095, 27.1893, 61.2156

Complementary

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



29.9820, 27.1893, 8.9780



18.9605, 19.7881, 50.9640

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.



27.5586, 27.1893, 72.4582



29.9820, 27.1893, 8.9780



18.2429, 27.1893, 53.8526

Square

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



29.9820, 27.1893, 8.9780



16.9437, 27.1893, 19.7020



22.1029, 27.1893, 69.3581



37.4130, 27.1893, 42.3688

Rectangle

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



29.9820, 27.1893, 8.9780



20.9268, 27.1893, 9.8033



22.1029, 27.1893, 69.3581



31.4736, 27.1893, 66.2738

Sweetspot

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



29.9826, 27.1907, 8.9785



74.0160, 75.8735, 64.3444



26.8897, 16.3918, 22.1690



15.5602, 15.8712, 12.8915



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.9826, 27.1907, 8.9785



49.8055, 42.6606, 9.3898



40.1968, 47.6190, 12.3832



9.9267, 10.3293, 10.0472



17.1110, 13.2608, 1.6577



0.7355, 0.6499, 0.0867

Inverse Universe

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



18.9605, 19.7881, 50.9640



28.6034, 28.4391, 90.2079



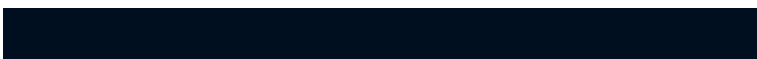
13.5074, 8.8820, 49.1463



9.3870, 9.9663, 12.1011



8.7959, 7.7035, 33.4162



0.4101, 0.4328, 1.3308

Previews

White Background



This preview shows how the XYZ color 29.9820, 27.1893, 8.9780 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 29.9820, 27.1893, 8.9780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

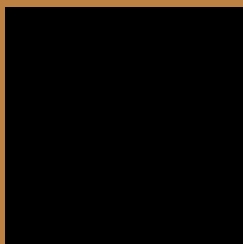
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9820, 27.1893, 8.9780

Background



This preview shows how black text looks on a background with the XYZ color 29.9820, 27.1893, 8.9780.



This preview shows how white text looks on a background with the XYZ color 29.9820, 27.1893,

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

29.9820, 27.1893, 8.9780

Protanopia

25.0603, 27.3690, 9.9232

Deuteranopia

27.6920, 27.2318, 8.9510



Tritanopia

33.4960, 27.3012, 25.3340

Trichromacy



Original Color

29.9820, 27.1893, 8.9780

Protanomaly

26.5562, 27.0542, 9.6167

Deuteranomaly

28.5645, 27.2673, 8.9119

Tritanomaly

31.9059, 27.2109, 17.7580

Monochromacy



Original Color

29.9820, 27.1893, 8.9780

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.8853, 26.0697, 19.2904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9820, 27.1893, 8.9780 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(189, 130, 67)` looks like.

```
.text, #text, p{  
    color:rgb(189, 130, 67)  
}
```

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(189, 130, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 130, 67) }
```

Border

The CSS property to change the border of an element to XYZ 29.9820, 27.1893, 8.9780 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(189, 130, 67) }
```


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

```
.border{ border-color:rgb(189, 130, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 130, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 130, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 130, 67);  
box-shadow:4px 4px 4px 4px rgb(189, 130,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9820, 27.1893, 8.9780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 130, 67) }
```

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

```
.background{ background-color: rgb(189,  
130, 67) }
```

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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