

Converting Colors

XYZ(27.7867, 29.0788, 12.1351)

Have a look what the booklet for
XYZ(27.7867, 29.0788, 12.1351)
contains.

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Color

**XYZ(27.7968, 29.1848,
12.1508)**

Conversions

Conversions Part 1

Format	Color
Hex	A89152
RGB	168, 145, 82
RGB Percent	66%, 57%, 32%
CMY	0.3412, 0.4314, 0.6784
CMYK	0.00, 0.14, 0.51, 0.34
HSL	44°, 34%, 49%
HSV	44°, 51%, 66%
XYZ	27.7968, 29.1848, 12.1508
YIQ	144.6950, 33.9310, -14.7170

Conversions

Conversions Part 2

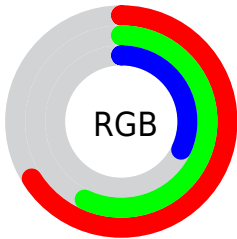
Format	Color
R_{YB}	113, 168, 82
Decimal	11047250
CIE Lab	60.94, 0.23, 36.37
CIE LCh	61, 36.374, 89.639
Yxy	29.1848, 0.4021, 0.4222
Android (android.graphics.Color)	4289237330 (0xFFA89152)
YUV	144.6950, -30.9086, 20.4385
Hunter-Lab	54.0230, -2.6954, 24.4806

Details

The XYZ color **27.7968, 29.1848, 12.1508** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5989, 14.7236, 39.0654**, and the grayscale version is **26.9022, 28.3032, 30.8222**.

A 20% lighter version of the original color is **55.7084, 58.5479, 30.5550**, and **11.3204, 11.8773, 3.2093** is the 20% darker color. If you saturate the color by 10%, you get **26.5615, 27.6150, 8.9620**, and if you desaturate by 10%, it is **29.2172, 30.8742, 16.1741**.

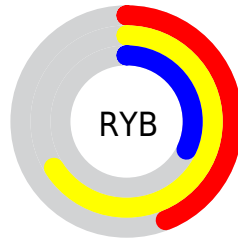
Distribution



Red (66%)

Green (57%)

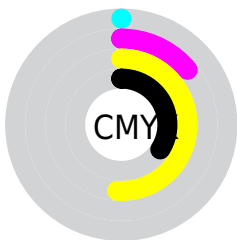
Blue (32%)



Red (44%)

Yellow (66%)

Blue (32%)

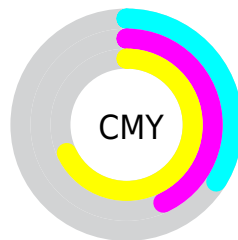


Cyan (0%)

Magenta (14%)

Yellow (51%)

Black (34%)



Cyan (34%)

Magenta (43%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7968, 29.1848, 12.1508 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 27.7968, 29.1848, 12.1508 by changing the saturation by 10% instead.

■ 27.7968, 29.1848,
12.1508

■ 27.7968, 29.1848,
12.1508

283.5924,
298.0859, 216.4143

■ 18.3122, 19.2207,
6.7227

■ 55.5708, 58.3706,
30.4380

■ 11.2754, 11.8298,
3.2135

■ 74.5909, 78.3610,
44.1341

■ 6.3211, 6.6279,
1.2046

■ 97.5202, 102.4623,
61.4233

■ 3.0838, 3.2305,
0.0000

■ 124.7241,
131.0589, 82.7241

■ 1.1982, 1.2532,
0.0000

■ 156.5679,
164.5351, 108.4550

■ 0.1050, 0.1045,
0.0000

193.4170,

■ 0.0000, 0.0000,

203.2755, 139.0347

0.0000

235.6367,
247.6643, 174.8816

■ 27.7968, 29.1848,
12.1508

■ 27.7968, 29.1848,
12.1508

■ 26.5615, 27.6150,
8.9620

■ 29.2172, 30.8742,
16.1741

■ 25.4972, 26.1555,
6.5446

■ 30.8314, 32.6840,
21.0854

■ 24.5911, 24.8017,
4.8294

■ 32.6498, 34.6199,
26.9356

■ 23.8272, 23.5467,
3.7337

■ 34.6817, 36.6860,
33.7714

■ 23.2410, 22.5100,
3.1199

■ 36.9356, 38.8863,
41.6362

■ 39.4194, 41.2243,
50.5709

■ 42.1408, 43.7036,
60.6143

■ 45.1071, 46.3275,
71.8029

■ 48.3250, 49.0993,
84.1718

Harmonies

Analogous

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



32.6128, 29.1848, 14.1385



27.7968, 29.1848, 12.1508



23.4661, 29.1848, 14.0427

Triad

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



27.7968, 29.1848, 12.1508



20.5388, 29.1848, 46.5357



36.3832, 29.1848, 46.9044

Complementary

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



27.7968, 29.1848, 12.1508



15.5989, 14.7236, 39.0654

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.



32.5020, 29.1848, 60.3399



27.7968, 29.1848, 12.1508



23.3772, 29.1848, 60.0878

Square

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



27.7968, 29.1848, 12.1508



19.5770, 29.1848, 31.6129



27.6818, 29.1848, 65.7368



37.9034, 29.1848, 31.9422

Rectangle

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



27.7968, 29.1848, 12.1508



21.3498, 29.1848, 17.6777



27.6818, 29.1848, 65.7368



35.2911, 29.1848, 51.8881

Sweetspot

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



27.7975, 29.1862, 12.1514



61.3811, 65.0116, 55.9938



21.7865, 15.4079, 15.5619



13.2166, 14.0051, 11.6601



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.7975, 29.1862, 12.1514



48.0075, 49.8570, 15.7976



27.9871, 35.0385, 13.2710



7.9747, 8.4294, 7.9960



17.5945, 17.0863, 2.3706



0.4667, 0.4931, 0.0706

Inverse Universe

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



15.5989, 14.7236, 39.0654



23.4936, 20.8333, 70.0081



15.4113, 11.6076, 38.4738



7.2889, 7.6148, 9.5040



6.0810, 3.6222, 28.3541



0.1891, 0.1704, 0.7036

Previews

White Background



This preview shows how the XYZ color 27.7968, 29.1848, 12.1508 looks on a white background.

Color Contrast Check

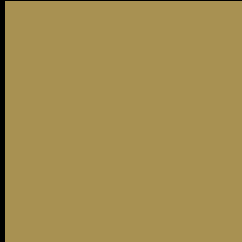
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7968, 29.1848, 12.1508 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 27.7968, 29.1848, 12.1508

Background



This preview shows how black text looks on a background with the XYZ color 27.7968, 29.1848, 12.1508.

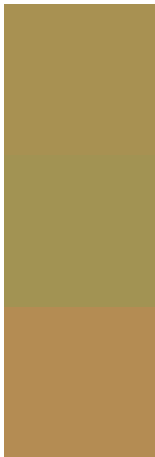


This preview shows how white text looks on a background with the XYZ color 27.7968, 29.1848,

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

27.7968, 29.1848, 12.1508

Protanopia

26.8953, 29.1734, 12.3971

Deuteranopia

29.7618, 29.0840, 12.2288



Tritanopia

31.7465, 29.0281, 31.9467

Trichromacy



Original Color

27.7968, 29.1848, 12.1508

Protanomaly

27.1501, 29.0748, 12.3647

Deuteranomaly

29.1388, 29.2006, 12.2841

Tritanomaly

30.0294, 28.9821, 23.0802

Monochromacy



Original Color

27.7968, 29.1848, 12.1508

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.7751, 28.4282, 22.4884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7968, 29.1848, 12.1508 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(168, 145, 82)` looks like.

```
.text, #text, p{  
    color:rgb(168, 145, 82)  
}
```

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(168, 145, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 145, 82) }
```

Border

The CSS property to change the border of an element to XYZ 27.7968, 29.1848, 12.1508 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(168, 145, 82) }
```


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

```
.border{ border-color:rgb(168, 145, 82) }
```

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

Here you see how a box with a 4 pixel rgb(168, 145, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 145, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 145, 82);  
box-shadow:4px 4px 4px 4px rgb(168, 145,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7968, 29.1848, 12.1508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 145, 82) }
```

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

```
.background{ background-color: rgb(168,  
145, 82) }
```

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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