

Converting Colors

XYZ(28.0772, 32.1967, 12.7174)

Have a look what the booklet for
XYZ(28.0772, 32.1967, 12.7174)
contains.

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Color

**XYZ(28.0772, 32.1967,
12.7174)**

Conversions

Conversions Part 1

Format	Color
Hex	A09D52
RGB	160, 157, 82
RGB Percent	63%, 62%, 32%
CMY	0.3725, 0.3843, 0.6784
CMYK	0.00, 0.02, 0.49, 0.37
HSL	58°, 32%, 47%
HSV	58°, 49%, 63%
XYZ	28.0772, 32.1967, 12.7174
YIQ	149.3470, 25.8630, -22.6890

Conversions

Conversions Part 2

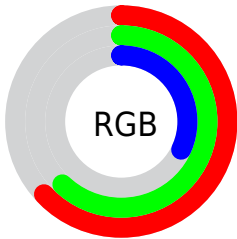
Format	Color
RYB	85, 160, 82
Decimal	10526034
CIELab	63.51, -9.70, 39.31
CIELCh	64, 40.493, 103.855
Yxy	32.1967, 0.3847, 0.4411
Android (android.graphics.Color)	4288716114 (0xFFA09D52)
YUV	149.3470, -33.2021, 9.3427
Hunter-Lab	56.7421, -10.9732, 26.4311

Details

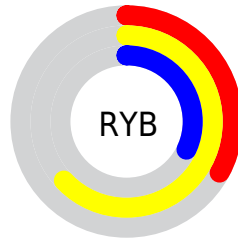
The XYZ color **28.0772, 32.1967, 12.7174** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.0734, 10.8287, 34.6589**, and the grayscale version is **28.8420, 30.3440, 33.0446**.

A 20% lighter version of the original color is **55.8468, 62.8809, 31.3841**, and **11.4920, 13.5437, 3.4473** is the 20% darker color. If you saturate the color by 10%, you get **27.4346, 31.7749, 9.8418**, and if you desaturate by 10%, it is **28.8639, 32.6793, 16.3423**.

Distribution



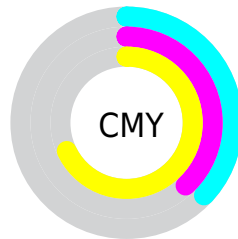
- Red (63%)
- Green (62%)
- Blue (32%)



- Red (33%)
- Yellow (63%)
- Blue (32%)



- Cyan (0%)
- Magenta (2%)
- Yellow (49%)
- Black (37%)



- Cyan (37%)
- Magenta (38%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0772, 32.1967, 12.7174 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 28.0772, 32.1967, 12.7174 by changing the saturation by 10% instead.

■ 28.0772, 32.1967,
12.7174

■ 28.0772, 32.1967,
12.7174

284.9090,
312.0143, 220.2423

■ 18.5246, 21.5118,
7.1058

■ 56.0155, 63.1193,
31.4788

■ 11.4292, 13.4986,
3.4489

■ 75.1318, 84.1258,
45.4658

■ 6.4257, 7.7728,
1.3282

■ 98.1669, 109.3416,
63.0816

■ 3.1487, 3.9499,
0.0847

■ 125.4859,
139.1512, 84.7448

■ 1.2329, 1.6456,
0.0000

■ 157.4542,
173.9388, 110.8739

■ 0.1321, 0.3880,
0.0000

194.4373,

■ 0.0000, 0.0000,

214.0889, 141.8875

0.0000

236.8005,
259.9860, 178.2041

■ 28.0772, 32.1967,
12.7174

■ 28.0772, 32.1967,
12.7174

■ 27.4346, 31.7749,
9.8418

■ 28.8639, 32.6793,
16.3423

■ 26.9237, 31.4054,
7.6607

■ 29.8013, 33.2219,
20.7620

■ 26.5341, 31.0852,
6.1151


■ 30.8986, 33.8293,
26.0210


■ 26.2523, 30.8091,
5.1355


■ 32.1635, 34.5046,
32.1599


■ 26.0525, 30.5665,
4.5843


■ 33.6032, 35.2506,
39.2164

 26.0288, 30.5368,
4.5223

 35.2244, 36.0701,
47.2263

 37.0335, 36.9656,
56.2234

 39.0367, 37.9396,
66.2398

 41.2398, 38.9943,
77.3062

Harmonies

Analogous

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



33.7187, 32.1967, 12.8816



28.0772, 32.1967, 12.7174



23.6848, 32.1967, 17.0874

Triad

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



28.0772, 32.1967, 12.7174



23.4273, 32.1967, 61.2867



42.2493, 32.1967, 44.4247

Complementary

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



28.0772, 32.1967, 12.7174



13.0734, 10.8287, 34.6589

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.



38.7497, 32.1967, 62.5700



28.0772, 32.1967, 12.7174



27.6836, 32.1967, 74.1669

Square

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



28.0772, 32.1967, 12.7174



21.2319, 32.1967, 43.0347



33.2738, 32.1967, 74.6979



42.3886, 32.1967, 28.1312

Rectangle

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



28.0772, 32.1967, 12.7174



21.8606, 32.1967, 23.0717



33.2738, 32.1967, 74.6979



41.4092, 32.1967, 50.6057

Sweetspot

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



28.0780, 32.1982, 12.7181



56.8624, 61.8343, 50.9184



19.1904, 14.1788, 10.5087



12.3748, 13.5095, 10.7028



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



28.0780, 32.1982, 12.7181



49.7749, 57.6675, 17.7014



22.5369, 30.1034, 12.6058



7.1483, 7.6766, 7.0906



20.2836, 23.8028, 3.5253



0.3687, 0.4377, 0.0650

Inverse Universe

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



13.0734, 10.8287, 34.6589



19.3976, 14.4122, 62.1460



16.7124, 12.3619, 34.7630



6.3042, 6.4741, 8.3240



5.0023, 2.0962, 26.0482



0.0948, 0.0481, 0.4675

Previews

White Background



This preview shows how the XYZ color 28.0772, 32.1967, 12.7174 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 28.0772, 32.1967, 12.7174 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 28.0772, 32.1967, 12.7174

Background



This preview shows how black text looks on a background with the XYZ color 28.0772, 32.1967, 12.7174.



This preview shows how white text looks on a background with the XYZ color 28.0772, 32.1967,

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

28.0772, 32.1967, 12.7174

Protanopia

29.4030, 32.1403, 12.4386

Deuteranopia

32.8124, 32.2147, 13.0830



Tritanopia

33.0835, 32.0427, 37.6989

Trichromacy



Original Color

28.0772, 32.1967, 12.7174

Protanomaly

28.9324, 32.1438, 12.4640

Deuteranomaly

31.0269, 32.2383, 12.9748

Tritanomaly

30.7485, 31.7985, 26.3469

Monochromacy



Original Color

28.0772, 32.1967, 12.7174

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.0668, 30.7094, 23.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0772, 32.1967, 12.7174 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(160, 157, 82)` looks like.

```
.text, #text, p{  
    color:rgb(160, 157, 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(160, 157, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 157, 82) }
```

Border

The CSS property to change the border of an element to XYZ 28.0772, 32.1967, 12.7174 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(160, 157, 82) }
```


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

```
.border{ border-color:rgb(160, 157, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 157, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 157, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 157, 82);  
box-shadow:4px 4px 4px 4px rgb(160, 157,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0772, 32.1967, 12.7174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 157, 82) }
```

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

```
.background{ background-color: rgb(160,  
157, 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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