

Converting Colors

XYZ(27.3102, 27.8374, 10.3072)

Have a look what the booklet for
XYZ(27.3102, 27.8374, 10.3072)
contains.

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Color

**XYZ(27.3753, 27.8951,
10.2448)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8C49
RGB	171, 140, 73
RGB Percent	67%, 55%, 29%
CMY	0.3294, 0.4510, 0.7137
CMYK	0.00, 0.18, 0.57, 0.33
HSL	41°, 40%, 48%
HSV	41°, 57%, 67%
XYZ	27.3753, 27.8951, 10.2448
YIQ	141.6310, 39.9830, -14.2650

Conversions

Conversions Part 2

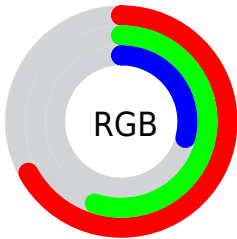
Format	Color
R_{YB}	118, 171, 73
Decimal	11242569
CIE _{Lab}	59.79, 3.50, 39.71
CIE _{LCh}	60, 39.867, 84.960
Yxy	27.8951, 0.4178, 0.4258
Android (android.graphics.Color)	4289432649 (0xFFAB8C49)
YUV	141.6310, -33.8351, 25.7566
Hunter-Lab	52.8158, 0.0918, 25.4705

Details

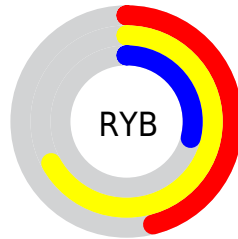
The XYZ color **27.3753, 27.8951, 10.2448** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **15.0486, 14.2569, 40.4868**, and the grayscale version is **25.6842, 27.0218, 29.4268**.

A 20% lighter version of the original color is **54.6400, 56.0640, 26.6805**, and **11.0235, 11.0913, 2.4240** is the 20% darker color. If you saturate the color by 10%, you get **26.1137, 26.1579, 7.4015**, and if you desaturate by 10%, it is **28.8330, 29.7751, 13.9231**.

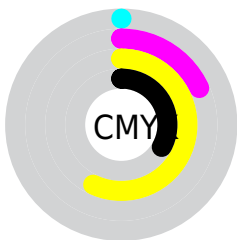
Distribution



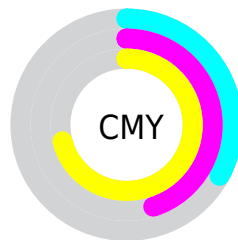
- Red (67%)
- Green (55%)
- Blue (29%)



- Red (46%)
- Yellow (67%)
- Blue (29%)



- Cyan (0%)
- Magenta (18%)
- Yellow (57%)
- Black (33%)



- Cyan (33%)
- Magenta (45%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3753, 27.8951, 10.2448 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 27.3753, 27.8951, 10.2448 by changing the saturation by 10% instead.

■ 27.3753, 27.8951,
10.2448

■ 27.3753, 27.8951,
10.2448

281.6042,
291.9653, 202.9583

■ 17.9933, 18.2466,
5.4538

■ 54.9012, 56.3169,
26.8699

■ 11.0449, 11.1272,
2.4526

■ 73.7758, 75.8590,
39.5412

■ 6.1645, 6.1524,
0.8149

■ 96.5453, 99.4678,
55.6763

■ 2.9870, 2.9380,
0.0000

■ 123.5751,
127.5276, 75.6937

■ 1.1469, 1.0994,
0.0000

■ 155.2305,
160.4229, 100.0121

■ 0.0638, 0.0000,
0.0000

191.8770,

■ 0.0000, 0.0000,

198.5380, 129.0500

0.0000

233.8797,
242.2573, 163.2259

■ 27.3753, 27.8951,
10.2448

■ 27.3753, 27.8951,
10.2448

■ 26.1137, 26.1579,
7.4015

■ 28.8330, 29.7751,
13.9231

■ 25.0325, 24.5530,
5.3221

■ 30.4969, 31.7995,
18.4962

■ 24.1165, 23.0746,
3.9268

■ 32.3789, 33.9750,
24.0203

■ 23.3419, 21.7123,
3.0928

■ 34.4890, 36.3065,
30.5465

■ 23.1459, 21.3606,
2.9031

■ 36.8368, 38.7985,
38.1221

■ 39.4311, 41.4555,
46.7916

■ 42.2803, 44.2816,
56.5967

■ 45.3925, 47.2807,
67.5771

■ 48.7752, 50.4567,
79.7705

Harmonies

Analogous

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



32.4859, 27.8951, 12.8246



27.3753, 27.8951, 10.2448



22.6247, 27.8951, 11.4988

Triad

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



27.3753, 27.8951, 10.2448



18.6513, 27.8951, 43.6788



35.2811, 27.8951, 49.2922

Complementary

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



27.3753, 27.8951, 10.2448



15.0486, 14.2569, 40.4868

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.



30.8240, 27.8951, 63.1884



27.3753, 27.8951, 10.2448



21.3219, 27.8951, 59.2917

Square

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



27.3753, 27.8951, 10.2448



17.9723, 27.8951, 27.9959



25.6699, 27.8951, 67.3318



37.4054, 27.8951, 32.8810

Rectangle

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



27.3753, 27.8951, 10.2448



20.2291, 27.8951, 14.6436



25.6699, 27.8951, 67.3318



33.9806, 27.8951, 54.5950

Sweetspot

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



27.3760, 27.8964, 10.2454



61.7714, 65.0267, 54.7176



21.6777, 14.4234, 14.7474



13.6049, 14.3160, 11.6656



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.3760, 27.8964, 10.2454



46.1723, 45.9866, 12.0362



28.9088, 36.3824, 11.8025



8.4458, 8.8964, 8.4854



17.4974, 16.2004, 2.2048



0.5330, 0.5431, 0.0767

Inverse Universe

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



15.0486, 14.2569, 40.4868



21.9863, 19.2897, 71.5664



14.0446, 9.9282, 39.7041



7.7779, 8.1553, 10.1169



6.5814, 4.2967, 29.5270



0.2329, 0.2192, 0.8380

Previews

White Background



This preview shows how the XYZ color 27.3753, 27.8951, 10.2448 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 27.3753, 27.8951, 10.2448 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 27.3753, 27.8951, 10.2448

Background



This preview shows how black text looks on a background with the XYZ color 27.3753, 27.8951, 10.2448.



This preview shows how white text looks on a background with the XYZ color 27.3753, 27.8951,

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

27.3753, 27.8951, 10.2448

Protanopia

25.5074, 27.8119, 10.5024

Deuteranopia

28.3132, 27.7328, 10.3393



Tritanopia

31.2652, 27.8026, 29.3098

Trichromacy



Original Color

27.3753, 27.8951, 10.2448

Protanomaly

26.1627, 27.9259, 10.4899

Deuteranomaly

28.0037, 27.7853, 10.3657

Tritanomaly

29.5541, 27.7263, 20.6237

Monochromacy



Original Color

27.3753, 27.8951, 10.2448

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.8726, 27.1064, 20.6980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3753, 27.8951, 10.2448 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(171, 140, 73)` looks like.

```
.text, #text, p{  
    color:rgb(171, 140, 73)  
}
```

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(171, 140, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 140, 73) }
```

Border

The CSS property to change the border of an element to XYZ 27.3753, 27.8951, 10.2448 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(171, 140, 73) }
```


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

```
.border{ border-color:rgb(171, 140, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 140, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 140, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 140, 73);  
box-shadow:4px 4px 4px 4px rgb(171, 140,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3753, 27.8951, 10.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 140, 73) }
```

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

```
.background{ background-color: rgb(171,  
140, 73) }
```

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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