

Converting Colors

XYZ(32.0745, 27.4202, 10.2495)

Have a look what the booklet for
XYZ(32.0745, 27.4202, 10.2495)
contains.

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Color

**XYZ(32.0196, 27.4355,
10.2646)**

Conversions

Conversions Part 1

Format	Color
Hex	C67E4B
RGB	198, 126, 75
RGB Percent	78%, 49%, 29%
CMY	0.2235, 0.5059, 0.7059
CMYK	0.00, 0.36, 0.62, 0.22
HSL	25°, 52%, 54%
HSV	25°, 62%, 78%
XYZ	32.0196, 27.4355, 10.2646
YIQ	141.7140, 59.2830, -0.5970

Conversions

Conversions Part 2

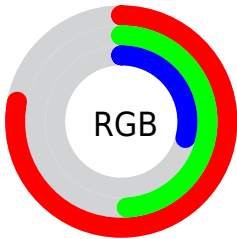
Format	Color
R_{YB}	198, 162, 75
Decimal	13008459
CIE Lab	59.38, 23.01, 38.93
CIE LCh	59, 45.226, 59.413
Yxy	27.4355, 0.4593, 0.3935
Android (android.graphics.Color)	4291198539 (0xFFC67E4B)
YUV	141.7140, -32.8900, 49.3628
Hunter-Lab	52.3789, 17.4552, 25.0463

Details

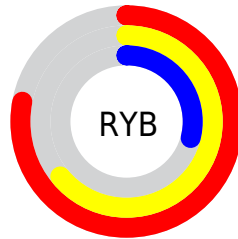
The XYZ color **32.0196, 27.4355, 10.2646** is a dark color, and the websafe version is hex **CC9966**. The color can be described as dark muted orange. A complement of this color would be **23.5278, 26.4392, 57.2891**, and the grayscale version is **25.7082, 27.0470, 29.4542**.

A 20% lighter version of the original color is **61.0618, 54.9809, 26.7961**, and **13.6093, 10.8282, 2.4714** is the 20% darker color. If you saturate the color by 10%, you get **30.0474, 24.4122, 6.7682**, and if you desaturate by 10%, it is **34.3757, 30.8893, 14.9297**.

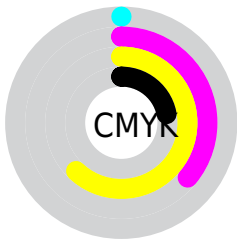
Distribution



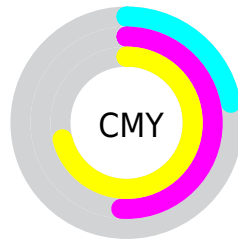
- Red (78%)
- Green (49%)
- Blue (29%)



- Red (78%)
- Yellow (64%)
- Blue (29%)



- Cyan (0%)
- Magenta (36%)
- Yellow (62%)
- Black (22%)



- Cyan (22%)
- Magenta (51%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0196, 27.4355, 10.2646 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 32.0196, 27.4355, 10.2646 by changing the saturation by 10% instead.

■ 32.0196, 27.4355,
10.2646

■ 32.0196, 27.4355,
10.2646

302.9522,
289.7596, 203.1032

■ 21.5321, 17.9006,
5.4669

■ 62.2068, 55.5819,
26.9076

■ 13.6282, 10.8786,
2.4602

■ 82.6372, 74.9622,
39.5899

■ 7.9425, 5.9853,
0.8190

■ 107.1126, 98.3930,
55.7374

■ 4.1097, 2.8361,
0.0000

■ 135.9984,
126.2588, 75.7688

■ 1.7644, 1.0468,
0.0000

■ 169.6599,
158.9440, 100.1026

■ 0.4961, 0.0000,
0.0000

208.4624,

■ 0.0000, 0.0000,

196.8329, 129.1572

0.0000

252.7714,
240.3100, 163.3512

■ 32.0196, 27.4355,
10.2646

■ 32.0196, 27.4355,
10.2646

■ 30.0474, 24.4122,
6.7682

■ 34.3757, 30.8893,
14.9297

■ 28.4310, 21.7955,
4.3300

■ 37.1369, 34.7877,
20.8571

■ 27.1406, 19.5648,
2.8207

■ 40.3252, 39.1490,
28.1325

■ 26.3138, 18.0562,
2.0983

■ 43.9600, 43.9891,
36.8338

■ 48.0595, 49.3232,
47.0325

■ 52.6408, 55.1656,
58.7957

■ 57.7201, 61.5300,
72.1861

■ 63.3129, 68.4296,
87.2631

■ 69.4337, 75.8771,
104.0830

Harmonies

Analogous

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



36.7595, 27.4355, 17.0249



32.0196, 27.4355, 10.2646



26.1883, 27.4355, 8.2802

Triad

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



32.0196, 27.4355, 10.2646



16.6328, 27.4355, 29.5542



31.7985, 27.4355, 66.1081

Complementary

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



32.0196, 27.4355, 10.2646



23.5278, 26.4392, 57.2891

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.



25.9652, 27.4355, 73.1696



32.0196, 27.4355, 10.2646



17.6943, 27.4355, 47.9556

Square

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



32.0196, 27.4355, 10.2646



17.7806, 27.4355, 16.6473



20.9186, 27.4355, 65.5670



36.6194, 27.4355, 48.7183

Rectangle

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



32.0196, 27.4355, 10.2646



22.6220, 27.4355, 9.0563



20.9186, 27.4355, 65.5670



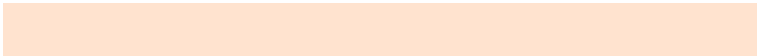
29.8662, 27.4355, 69.9977

Sweetspot

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



32.0202, 27.4369, 10.2651



79.8185, 80.4849, 70.0717



31.2137, 19.2017, 30.4115



16.6521, 16.6600, 13.9367



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.0202, 27.4369, 10.2651



51.9892, 41.2891, 10.0427



42.0544, 47.5052, 13.6098



10.9891, 11.3474, 11.1738



17.1927, 11.9027, 1.3913



0.8852, 0.7058, 0.0896

Inverse Universe

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



23.5278, 26.4392, 57.2891



35.6135, 39.2323, 100.3033



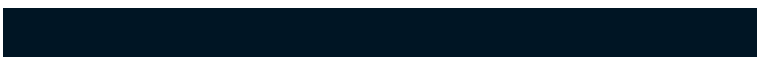
16.5274, 12.4384, 54.9556



10.5638, 11.3017, 13.5422



10.7685, 10.9309, 36.2867



0.5801, 0.6581, 1.7416

Previews

White Background



This preview shows how the XYZ color 32.0196, 27.4355, 10.2646 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 32.0196, 27.4355, 10.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

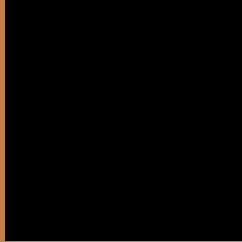
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0196, 27.4355, 10.2646

Background



This preview shows how black text looks on a background with the XYZ color 32.0196, 27.4355, 10.2646.



This preview shows how white text looks on a background with the XYZ color 32.0196, 27.4355,

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

32.0196, 27.4355, 10.2646

Protanopia

25.2123, 27.4071, 11.7459

Deuteranopia

28.0528, 27.6025, 10.1526



Tritanopia

34.9699, 27.5480, 23.8963

Trichromacy



Original Color

32.0196, 27.4355, 10.2646

Protanomaly

27.3702, 27.2265, 11.2098

Deuteranomaly

29.3907, 27.4598, 10.2298

Tritanomaly

33.8072, 27.4407, 17.9827

Monochromacy



Original Color

32.0196, 27.4355, 10.2646

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.9745, 26.5977, 20.8517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0196, 27.4355, 10.2646 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(198, 126, 75)` looks like.

```
.text, #text, p{  
    color:rgb(198, 126, 75)  
}
```

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(198, 126, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 126, 75) }
```

Border

The CSS property to change the border of an element to XYZ 32.0196, 27.4355, 10.2646 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(198, 126, 75) }
```


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

```
.border{ border-color:rgb(198, 126, 75) }
```

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

Here you see how a box with a 4 pixel rgb(198, 126, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 126, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 126, 75);  
box-shadow:4px 4px 4px 4px rgb(198, 126,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0196, 27.4355, 10.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 126, 75) }
```

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

```
.background{ background-color: rgb(198,  
126, 75) }
```

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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