

Converting Colors

XYZ(32.2033, 27.6996, 9.4544)

Have a look what the booklet for
XYZ(32.2033, 27.6996, 9.4544)
contains.

XYZ(32.2481, 27.7631, 9.4535)	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(32.2481, 27.7631,
9.4535)**

Conversions

Conversions Part 1

Format	Color
Hex	C77F46
RGB	199, 127, 70
RGB Percent	78%, 50%, 27%
CMY	0.2196, 0.5019, 0.7255
CMYK	0.00, 0.36, 0.65, 0.22
HSL	27°, 54%, 53%
HSV	27°, 65%, 78%
XYZ	32.2481, 27.7631, 9.4535
YIQ	142.0300, 61.2090, -2.4630

Conversions

Conversions Part 2

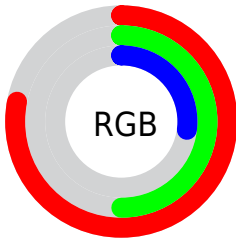
Format	Color
R_{YB}	199, 172, 70
Decimal	13074246
CIE _{Lab}	59.67, 22.55, 41.91
CIE _{LCh}	60, 47.593, 61.718
Yxy	27.7631, 0.4642, 0.3997
Android (android.graphics.Color)	4291264326 (0xFFC77F46)
YUV	142.0300, -35.5108, 49.9627
Hunter-Lab	52.6907, 17.0380, 26.2460

Details

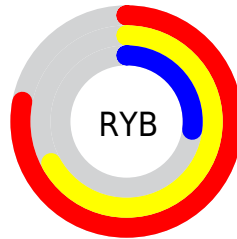
The XYZ color **32.2481, 27.7631, 9.4535** is a dark color, and the websafe version is hex **CC9966**. The color can be described as dark muted orange. A complement of this color would be **22.5070, 24.7703, 57.6275**, and the grayscale version is **25.8429, 27.1887, 29.6085**.

A 20% lighter version of the original color is **60.9514, 55.2586, 25.2228**, and **13.7832, 11.0284, 2.1613** is the 20% darker color. If you saturate the color by 10%, you get **30.3648, 24.8409, 6.2235**, and if you desaturate by 10%, it is **34.4989, 31.0877, 13.8332**.

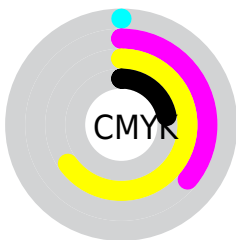
Distribution



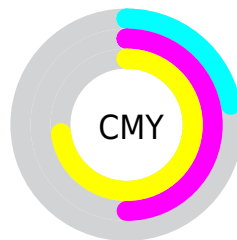
- Red (78%)
- Green (50%)
- Blue (27%)



- Red (78%)
- Yellow (67%)
- Blue (27%)



- Cyan (0%)
- Magenta (36%)
- Yellow (65%)
- Black (22%)





- Cyan (22%)
- Magenta (50%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2481, 27.7631, 9.4535 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 32.2481, 27.7631, 9.4535 by changing the saturation by 10% instead.


 32.2481, 27.7631,
9.4535


 32.2481, 27.7631,
9.4535


303.9731,
291.3332, 197.0668


 21.7075, 18.1472,
4.9373


 62.5624, 56.1060,
25.3539

 13.7576, 11.0557,
2.1524


 83.0669, 75.6017,
37.5753


 8.0328, 6.1043,
0.6467


 107.6233, 99.1595,
53.2020

 4.1679, 2.9086,
0.0000

 136.5971,
127.1638, 72.6528

 1.7976, 1.0842,
0.0000

 170.3537,
159.9989, 96.3462

 0.5162, 0.0000,
0.0000

209.2583,

 0.0000, 0.0000,

198.0492, 124.7006

0.0000

253.6763,
241.6992, 158.1346

■ 32.2481, 27.7631,
9.4535

■ 32.2481, 27.7631,
9.4535

■ 30.3648, 24.8409,
6.2235

■ 34.4989, 31.0877,
13.8332

■ 28.8206, 22.2979,
4.0268

■ 37.1388, 34.8275,
19.4602

■ 27.5845, 20.1145,
2.7245

■ 40.1894, 39.0000,
26.4237

■ 27.0377, 19.1113,
2.2638

■ 43.6704, 43.6200,
34.8040

■ 47.5998, 48.7017,
44.6750

■ 51.9944, 54.2584,
56.1054

■ 56.8704, 60.3031,
69.1597

■ 62.2429, 66.8480,
83.8986

■ 68.1263, 73.9050,
100.3799

Harmonies

Analogous

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



37.4838, 27.7631, 15.9596



32.2481, 27.7631, 9.4535



26.0433, 27.7631, 7.7543

Triad

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



32.2481, 27.7631, 9.4535



16.4443, 27.7631, 31.2318



32.9384, 27.7631, 68.0046

Complementary

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



32.2481, 27.7631, 9.4535



22.5070, 24.7703, 57.6275

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.



26.7357, 27.7631, 76.8170



32.2481, 27.7631, 9.4535



17.7313, 27.7631, 51.1696

Square

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



32.2481, 27.7631, 9.4535



17.4670, 27.7631, 17.1080



21.2846, 27.7631, 69.7212



37.9230, 27.7631, 48.7688

Rectangle

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



32.2481, 27.7631, 9.4535



22.3404, 27.7631, 8.7349



21.2846, 27.7631, 69.7212



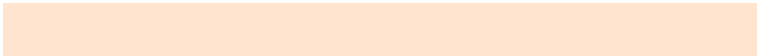
30.8971, 27.7631, 72.5534

Sweetspot

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



32.2487, 27.7645, 9.4540



80.1799, 81.2078, 70.1922



30.7089, 18.5088, 27.9806



16.7390, 16.8337, 13.9656



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.



32.2487, 27.7645, 9.4540



51.9286, 41.4911, 9.0259



43.1588, 49.5846, 13.0907



11.0131, 11.3954, 11.1818



17.4702, 12.4577, 1.4838



0.8991, 0.7337, 0.0942

Inverse Universe

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



22.5070, 24.7703, 57.6275



33.5247, 35.7400, 99.7393



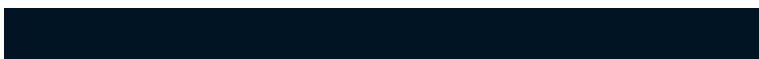
15.6020, 10.9603, 55.3258



10.5394, 11.2528, 13.5340



10.3769, 10.1477, 36.1561



0.5627, 0.6232, 1.7358

Previews

White Background



This preview shows how the XYZ color 32.2481, 27.7631, 9.4535 looks on a white background.

Color Contrast Check

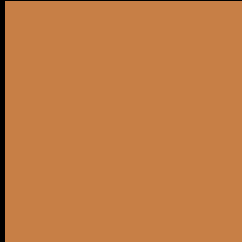
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2481, 27.7631, 9.4535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

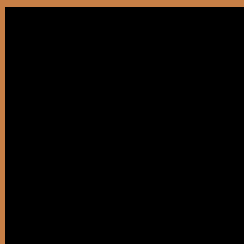
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2481, 27.7631, 9.4535

Background



This preview shows how black text looks on a background with the XYZ color 32.2481, 27.7631, 9.4535.



This preview shows how white text looks on a background with the XYZ color 32.2481, 27.7631,

9.4535.

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

32.2481, 27.7631, 9.4535

Protanopia

25.5758, 27.8392, 10.8630

Deuteranopia

28.3491, 27.7737, 9.3355



Tritanopia

35.3075, 27.7144, 24.2574

Trichromacy



Original Color

32.2481, 27.7631, 9.4535

Protanomaly

27.7801, 27.6700, 10.3552

Deuteranomaly

29.7114, 27.6438, 9.4001

Tritanomaly

34.1469, 27.8052, 17.7546

Monochromacy



Original Color

32.2481, 27.7631, 9.4535

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.2023, 26.9388, 20.2890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2481, 27.7631, 9.4535 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(199, 127, 70)` looks like.

```
.text, #text, p{  
    color:rgb(199, 127, 70)  
}
```

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(199, 127, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 127, 70) }
```

Border

The CSS property to change the border of an element to XYZ 32.2481, 27.7631, 9.4535 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(199, 127, 70) }
```


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

```
.border{ border-color:rgb(199, 127, 70) }
```

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

Here you see how a box with a 4 pixel rgb(199, 127, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 127, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 127, 70);  
box-shadow:4px 4px 4px 4px rgb(199, 127,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2481, 27.7631, 9.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 127, 70) }
```

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

```
.background{ background-color: rgb(199,  
127, 70) }
```

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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