

Converting Colors

XYZ(32.8410, 29.0587, 8.0170)

Have a look what the booklet for
XYZ(32.8410, 29.0587, 8.0170)
contains.

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Color

**XYZ(32.8601, 29.0977,
8.0222)**

Conversions

Conversions Part 1

Format	Color
Hex	C8843B
RGB	200, 132, 59
RGB Percent	78%, 52%, 23%
CMY	0.2157, 0.4823, 0.7686
CMYK	0.00, 0.34, 0.70, 0.22
HSL	31°, 56%, 51%
HSV	31°, 70%, 78%
XYZ	32.8601, 29.0977, 8.0222
YIQ	144.0100, 63.9610, -8.2870

Conversions

Conversions Part 2

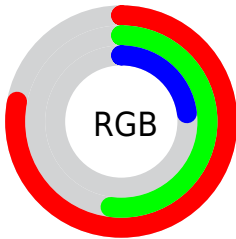
Format	Color
R_{YB}	190, 200, 59
Decimal	13141051
CIE _{Lab}	60.87, 19.60, 48.69
CIE _{LCh}	61, 52.483, 68.074
Yxy	29.0977, 0.4696, 0.4158
Android (android.graphics.Color)	4291331131 (0xFFC8843B)
YUV	144.0100, -41.9099, 49.1032
Hunter-Lab	53.9423, 14.3381, 28.9421

Details

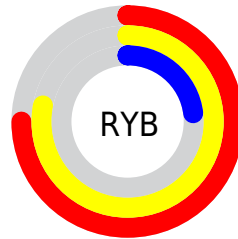
The XYZ color **32.8601, 29.0977, 8.0222** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **19.8178, 20.2776, 57.5126**, and the grayscale version is **26.6595, 28.0479, 30.5442**.

A 20% lighter version of the original color is **61.4034, 57.0837, 22.5338**, and **14.0237, 11.7061, 1.6352** is the 20% darker color. If you saturate the color by 10%, you get **31.1895, 26.4337, 5.3780**, and if you desaturate by 10%, it is **34.8517, 32.0860, 11.7539**.

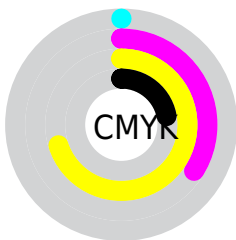
Distribution



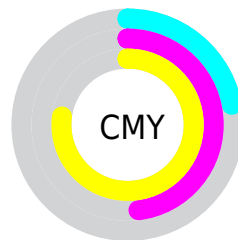
- Red (78%)
- Green (52%)
- Blue (23%)



- Red (75%)
- Yellow (78%)
- Blue (23%)



- Cyan (0%)
- Magenta (34%)
- Yellow (70%)
- Black (22%)





- Cyan (22%)
- Magenta (48%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8601, 29.0977, 8.0222 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 32.8601, 29.0977, 8.0222 by changing the saturation by 10% instead.


 32.8601, 29.0977,
8.0222


 32.8601, 29.0977,
8.0222


306.6950,
297.6757, 185.8471


 22.1780, 19.1547,
4.0212


 63.5132, 58.2323,
22.5488


 14.1051, 11.7821,
1.6370


 84.2149, 78.1927,
33.9115


 8.2760, 6.5955,
0.3170


 108.9872,
102.2610, 48.5652


 4.3253, 3.2105,
0.0000

 138.1955,
130.8217, 66.9284

 1.8878, 1.2426,
0.0000

 172.2050,
164.2591, 89.4197

 0.5697, 0.0961,
0.0000

 211.3812,

 0.0000, 0.0000,

202.9576, 116.4575

0.0000

256.0894,
247.3017, 148.4605

■ 32.8601, 29.0977,
8.0222

■ 32.8601, 29.0977,
8.0222

■ 31.1895, 26.4337,
5.3780

■ 34.8517, 32.0860,
11.7539

■ 29.8104, 24.0734,
3.6917

■ 37.1856, 35.4085,
16.6796

■ 28.7247, 22.0901,
2.7499

■ 39.8835, 39.0799,
22.8945

■ 42.9641, 43.1125,
30.4840

■ 46.4449, 47.5176,
39.5257

■ 50.3422, 52.3062,
50.0916

■ 54.6711, 57.4886,
62.2489

■ 59.4461, 63.0748,
76.0606

■ 64.6808, 69.0740,
91.5863

Harmonies

Analogous

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



39.3462, 29.0977, 13.6783



32.8601, 29.0977, 8.0222



25.8515, 29.0977, 7.1181

Triad

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



32.8601, 29.0977, 8.0222



16.5783, 29.0977, 37.2681



36.5785, 29.0977, 71.5094

Complementary

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



32.8601, 29.0977, 8.0222



19.8178, 20.2776, 57.5126

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.



29.5436, 29.0977, 85.4692



32.8601, 29.0977, 8.0222



18.5470, 29.0977, 61.0230

Square

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



32.8601, 29.0977, 8.0222



17.1685, 29.0977, 19.6034



23.0334, 29.0977, 80.9963



41.7275, 29.0977, 47.9183

Rectangle

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



32.8601, 29.0977, 8.0222



21.9212, 29.0977, 8.7245



23.0334, 29.0977, 80.9963



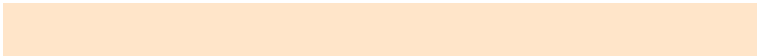
34.3139, 29.0977, 77.8487

Sweetspot

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



32.8608, 29.0992, 8.0227



79.9038, 81.6346, 67.0820



29.2239, 16.9437, 21.8605



16.7295, 17.0049, 13.3766



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.



32.8608, 29.0992, 8.0227



52.5764, 43.3665, 7.4544



44.6400, 53.5822, 12.1276



11.0805, 11.5301, 11.2043



18.3545, 14.2261, 1.7785



0.9414, 0.8182, 0.1083

Inverse Universe

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



19.8178, 20.2776, 57.5126



28.6472, 27.2140, 98.3507



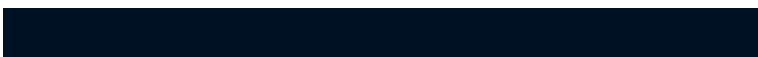
13.9356, 8.3016, 55.5110



10.4717, 11.1174, 13.5114



9.4032, 8.2004, 35.8316



0.5177, 0.5332, 1.7208

Previews

White Background



This preview shows how the XYZ color 32.8601, 29.0977, 8.0222 looks on a white background.

Color Contrast Check

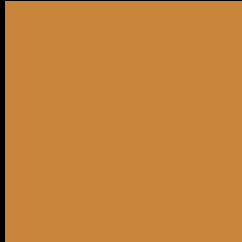
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8601, 29.0977, 8.0222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

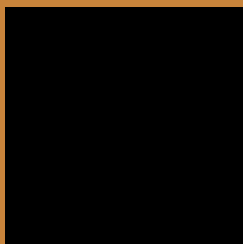
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8601, 29.0977, 8.0222

Background



This preview shows how black text looks on a background with the XYZ color 32.8601, 29.0977, 8.0222.



This preview shows how white text looks on a background with the XYZ color 32.8601, 29.0977,

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

32.8601, 29.0977, 8.0222

Protanopia

26.6690, 29.1301, 9.0676

Deuteranopia

29.6450, 29.1189, 7.9289



Tritanopia

36.6181, 29.0879, 25.8748

Trichromacy



Original Color

32.8601, 29.0977, 8.0222

Protanomaly

28.6740, 29.0409, 8.6516

Deuteranomaly

30.6956, 29.0156, 7.9857

Tritanomaly

34.8195, 28.9159, 17.3818

Monochromacy



Original Color

32.8601, 29.0977, 8.0222

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.6686, 27.8409, 19.5383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8601, 29.0977, 8.0222 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(200, 132, 59)` looks like.

```
.text, #text, p{  
    color:rgb(200, 132, 59)  
}
```

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(200, 132, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 132, 59) }
```

Border

The CSS property to change the border of an element to XYZ 32.8601, 29.0977, 8.0222 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(200, 132, 59) }
```


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

```
.border{ border-color:rgb(200, 132, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 132, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 132, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 132, 59);  
box-shadow:4px 4px 4px 4px rgb(200, 132,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8601, 29.0977, 8.0222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 132, 59) }
```

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

```
.background{ background-color: rgb(200,  
132, 59) }
```

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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