

Converting Colors

XYZ(31.8236, 29.0964, 9.5133)

Have a look what the booklet for
XYZ(31.8236, 29.0964, 9.5133)
contains.

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Color

**XYZ(31.9863, 29.2270,
9.5857)**

Conversions

Conversions Part 1

Format	Color
Hex	C28745
RGB	194, 135, 69
RGB Percent	76%, 53%, 27%
CMY	0.2392, 0.4706, 0.7294
CMYK	0.00, 0.30, 0.64, 0.24
HSL	32°, 51%, 52%
HSV	32°, 64%, 76%
XYZ	31.9863, 29.2270, 9.5857
YIQ	145.1170, 56.3500, -8.0180

Conversions

Conversions Part 2

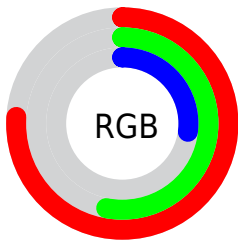
Format	Color
R_{YB}	181, 194, 69
Decimal	12748613
CIE Lab	60.98, 15.97, 43.76
CIE LCh	61, 46.578, 69.949
Yxy	29.2270, 0.4518, 0.4128
Android (android.graphics.Color)	4290938693 (0xFFC28745)
YUV	145.1170, -37.5257, 42.8704
Hunter-Lab	54.0620, 11.0027, 27.3307

Details

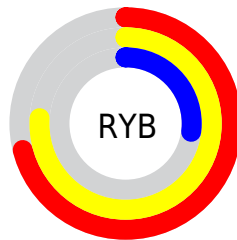
The XYZ color **31.9863, 29.2270, 9.5857** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **19.9105, 20.5975, 53.9649**, and the grayscale version is **27.0937, 28.5047, 31.0416**.

A 20% lighter version of the original color is **62.1860, 58.3692, 25.4416**, and **13.5194, 11.7783, 2.1770** is the 20% darker color. If you saturate the color by 10%, you get **30.2568, 26.5794, 6.5084**, and if you desaturate by 10%, it is **34.0239, 32.1760, 13.7373**.

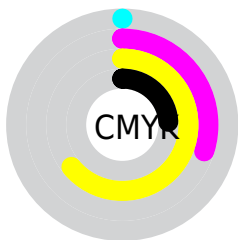
Distribution



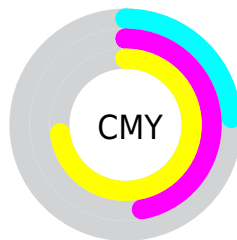
- Red (76%)
- Green (53%)
- Blue (27%)



- Red (71%)
- Yellow (76%)
- Blue (27%)



- Cyan (0%)
- Magenta (30%)
- Yellow (64%)
- Black (24%)





- Cyan (24%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9863, 29.2270, 9.5857 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 31.9863, 29.2270, 9.5857 by changing the saturation by 10% instead.


 31.9863, 29.2270,
9.5857


 31.9863, 29.2270,
9.5857


302.8032,
298.2845, 198.0652

 21.5065, 19.2526,
5.0231


 62.1549, 58.4376,
25.6088


 13.6093, 11.8529,
2.2019


 82.5745, 78.4425,
37.9064


 7.9293, 6.6436,
0.6754


 107.0381,
102.5598, 53.6195

 4.1012, 3.2402,
0.0000

 135.9110,
131.1737, 73.1665

 1.7595, 1.2584,
0.0000

 169.5587,
164.6688, 96.9660

 0.4931, 0.1087,
0.0000

208.3463,

 0.0000, 0.0000,

203.4293, 125.4366

0.0000

252.6394,
247.8398, 158.9969

■ 31.9863, 29.2270,
9.5857

■ 31.9863, 29.2270,
9.5857

■ 30.2568, 26.5794,
6.5084

■ 34.0239, 32.1760,
13.7373

■ 28.8106, 24.2153,
4.3974

■ 36.3875, 35.4343,
19.0537

■ 27.6212, 22.1208,
3.1246

■ 39.0958, 39.0147,
25.6176

■ 27.0427, 21.0586,
2.6394

■ 42.1653, 42.9276,
33.5036

■ 45.6114, 47.1831,
42.7803

■ 49.4482, 51.7906,
53.5118

■ 53.6893, 56.7592,
65.7578

■ 58.3476, 62.0975,
79.5750

■ 63.4352, 67.8138,
95.0168

Harmonies

Analogous

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



37.7472, 29.2270, 14.7938



31.9863, 29.2270, 9.5857



25.8068, 29.2270, 8.9159

Triad

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



31.9863, 29.2270, 9.5857



17.7766, 29.2270, 37.9700



35.9885, 29.2270, 65.0368

Complementary

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



31.9863, 29.2270, 9.5857



19.9105, 20.5975, 53.9649

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.



29.8501, 29.2270, 77.5435



31.9863, 29.2270, 9.5857



19.7417, 29.2270, 58.5480

Square

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



31.9863, 29.2270, 9.5857



18.1754, 29.2270, 21.6632



23.9585, 29.2270, 74.8116



40.2816, 29.2270, 44.7473

Rectangle

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



31.9863, 29.2270, 9.5857



22.3388, 29.2270, 10.7260



23.9585, 29.2270, 74.8116



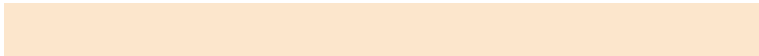
34.0385, 29.2270, 70.5746

Sweetspot

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



31.9870, 29.2285, 9.5863



79.5099, 81.6517, 69.0016



28.3665, 17.3218, 22.7630



17.0189, 17.3937, 14.0590



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.



31.9870, 29.2285, 9.5863



53.7672, 46.4733, 10.1479



42.0829, 50.2086, 13.1037



10.5035, 10.9385, 10.6196



17.8626, 14.0110, 1.7629



0.8404, 0.7425, 0.0990

Inverse Universe

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



19.9105, 20.5975, 53.9649



30.2661, 29.7091, 96.6090



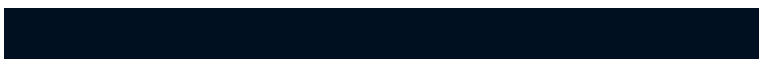
14.4705, 9.4943, 52.1085



9.9115, 10.5144, 12.7919



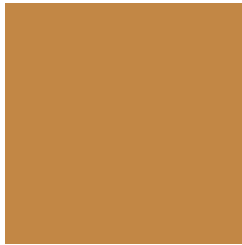
8.9743, 7.7050, 34.5708



0.4567, 0.4708, 1.5167

Previews

White Background



This preview shows how the XYZ color 31.9863, 29.2270, 9.5857 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 31.9863, 29.2270, 9.5857 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 31.9863, 29.2270, 9.5857

Background



This preview shows how black text looks on a background with the XYZ color 31.9863, 29.2270, 9.5857.



This preview shows how white text looks on a background with the XYZ color 31.9863, 29.2270,

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

31.9863, 29.2270, 9.5857

Protanopia

26.8968, 29.4474, 10.5696

Deuteranopia

29.7129, 29.1186, 9.5233



Tritanopia

35.6579, 29.1270, 27.4096

Trichromacy



Original Color

31.9863, 29.2270, 9.5857

Protanomaly

28.4477, 29.1115, 10.2506

Deuteranomaly

30.3816, 29.0334, 9.4716

Tritanomaly

33.9332, 29.0054, 19.1394

Monochromacy



Original Color

31.9863, 29.2270, 9.5857

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.8400, 28.1206, 20.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9863, 29.2270, 9.5857 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(194, 135, 69)` looks like.

```
.text, #text, p{  
    color:rgb(194, 135, 69)  
}
```

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(194, 135, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 135, 69) }
```

Border

The CSS property to change the border of an element to XYZ 31.9863, 29.2270, 9.5857 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(194, 135, 69) }
```


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

```
.border{ border-color:rgb(194, 135, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 135, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 135, 69); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 135, 69); box-shadow:4px 4px 4px 4px rgb(194, 135, 69) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9863, 29.2270, 9.5857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 135, 69) }
```

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

```
.background{ background-color: rgb(194,  
135, 69) }
```

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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