

Converting Colors

XYZ(31.2269, 29.0651, 5.3992)

Have a look what the booklet for
XYZ(31.2269, 29.0651, 5.3992)
contains.

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Color

**XYZ(31.3268, 29.1875,
5.4215)**

Conversions

Conversions Part 1

Format	Color
Hex	C28821
RGB	194, 136, 33
RGB Percent	76%, 53%, 13%
CMY	0.2392, 0.4666, 0.8706
CMYK	0.00, 0.30, 0.83, 0.24
HSL	38°, 71%, 45%
HSV	38°, 83%, 76%
XYZ	31.3268, 29.1875, 5.4215
YIQ	141.6000, 67.6310, -19.7370

Conversions

Conversions Part 2

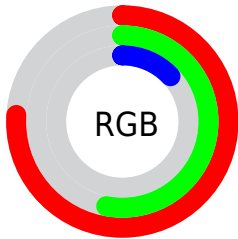
Format	Color
R_{YB}	124, 194, 33
Decimal	12748833
CIE Lab	60.95, 13.71, 59.09
CIE LCh	61, 60.659, 76.935
Yxy	29.1875, 0.4751, 0.4427
Android (android.graphics.Color)	4290938913 (0xFFC28821)
YUV	141.6000, -53.5398, 45.9548
Hunter-Lab	54.0255, 8.9591, 31.8680

Details

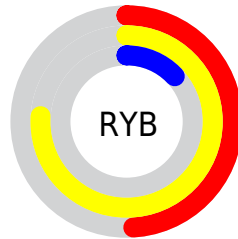
The XYZ color **31.3268, 29.1875, 5.4215** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.1057, 11.7002, 52.5534**, and the grayscale version is **25.7399, 27.0804, 29.4906**.

A 20% lighter version of the original color is **61.1990, 58.3598, 17.2715**, and **13.3195, 11.8065, 1.5769** is the 20% darker color. If you saturate the color by 10%, you get **30.1771, 27.2050, 4.0621**, and if you desaturate by 10%, it is **32.6984, 31.3639, 7.6272**.

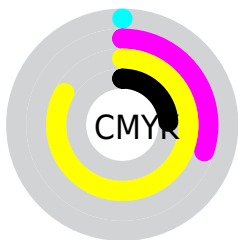
Distribution



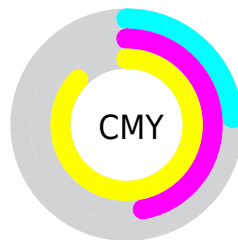
- Red (76%)
- Green (53%)
- Blue (13%)



- Red (49%)
- Yellow (76%)
- Blue (13%)



- Cyan (0%)
- Magenta (30%)
- Yellow (83%)
- Black (24%)



- Cyan (24%)
- Magenta (47%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3268, 29.1875, 5.4215 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 31.3268, 29.1875, 5.4215 by changing the saturation by 10% instead.

■ 31.3268, 29.1875,
5.4215

■ 31.3268, 29.1875,
5.4215

299.8411,
298.0986, 162.9137

■ 21.0009, 19.2227,
2.4336

■ 61.1266, 58.3749,
17.1743

■ 13.2371, 11.8313,
0.8047

■ 81.3311, 78.3662,
26.7762

■ 7.6701, 6.6289,
0.0000

■ 105.5593,
102.4685, 39.4199

■ 3.9346, 3.2311,
0.0000

■ 134.1763,
131.0662, 55.5239

■ 1.6652, 1.2536,
0.0000

■ 167.5477,
164.5437, 75.5067

■ 0.4344, 0.1048,
0.0000

■ 206.0387,

■ 0.0000, 0.0000,

203.2853, 99.7869

0.0000

250.0147,
247.6755, 128.7831

■ 31.3268, 29.1875,
5.4215

■ 31.3268, 29.1875,
5.4215

■ 30.1771, 27.2050,
4.0621

■ 32.6984, 31.3639,
7.6272

■ 29.4702, 25.9139,
3.4486

■ 34.3147, 33.7415,
10.8016

■ 36.1970, 36.3320,
15.0487

■ 38.3634, 39.1443,
20.4585

■ 40.8303, 42.1868,
27.1113

■ 43.6125, 45.4670,
35.0804

■ 46.7238, 48.9923,
44.4334

■ 50.1772, 52.7693,
55.2330

■ 53.9847, 56.8045,
67.5381

Harmonies

Analogous

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



39.4872, 29.1875, 9.3864



31.3268, 29.1875, 5.4215



23.5401, 29.1875, 5.6593

Triad

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



31.3268, 29.1875, 5.4215



15.5798, 29.1875, 46.2446



40.4142, 29.1875, 71.8061

Complementary

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



31.3268, 29.1875, 5.4215



14.1057, 11.7002, 52.5534

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.



32.4160, 29.1875, 94.3816



31.3268, 29.1875, 5.4215



18.5924, 29.1875, 75.4509

Square

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



31.3268, 29.1875, 5.4215



15.3994, 29.1875, 22.9096



24.4414, 29.1875, 95.9649



45.3674, 29.1875, 42.6878

Rectangle

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



31.3268, 29.1875, 5.4215



19.5637, 29.1875, 8.1193



24.4414, 29.1875, 95.9649



37.9305, 29.1875, 80.9097

Sweetspot

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



31.3275, 29.1890, 5.4221



77.7478, 80.9039, 59.8547



24.7252, 13.3305, 11.4033



16.6267, 17.2479, 11.9592



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.



31.3275, 29.1890, 5.4221



53.1427, 46.4488, 6.1646



36.6967, 47.5242, 8.6781



10.5984, 11.1282, 10.6512



19.4560, 17.1977, 2.2940



0.9040, 0.8698, 0.1202

Inverse Universe

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



14.1057, 11.7002, 52.5534



21.3778, 14.5283, 94.1473



11.8282, 5.7803, 51.5308



9.8187, 10.3286, 12.7610



7.9087, 5.5738, 34.2156



0.4074, 0.3722, 1.5002

Previews

White Background



This preview shows how the XYZ color 31.3268, 29.1875, 5.4215 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 31.3268, 29.1875, 5.4215 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 31.3268, 29.1875, 5.4215

Background



This preview shows how black text looks on a background with the XYZ color 31.3268, 29.1875, 5.4215.



This preview shows how white text looks on a background with the XYZ color 31.3268, 29.1875,

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

31.3268, 29.1875, 5.4215

Protanopia

26.6342, 29.4142, 5.9428

Deuteranopia

29.8751, 29.2942, 5.3761



Tritanopia

35.8527, 29.2357, 27.0460

Trichromacy



Original Color

31.3268, 29.1875, 5.4215

Protanomaly

28.1811, 29.2980, 5.7599

Deuteranomaly

30.4796, 29.3883, 5.4326

Tritanomaly

33.5235, 28.8719, 15.6103

Monochromacy



Original Color

31.3268, 29.1875, 5.4215

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.4743, 27.2925, 16.4430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3268, 29.1875, 5.4215 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, 136, 33)` looks like.

```
.text, #text, p{  
    color:rgb(194, 136, 33)  
}
```

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, 136, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 136, 33) }
```

Border

The CSS property to change the border of an element to XYZ 31.3268, 29.1875, 5.4215 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, 136, 33) }
```


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

```
.border{ border-color:rgb(194, 136, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 136, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 136, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 136, 33);  
box-shadow:4px 4px 4px 4px rgb(194, 136,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3268, 29.1875, 5.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 136, 33) }
```

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

```
.background{ background-color: rgb(194,  
136, 33) }
```

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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