

Converting Colors

XYZ(34.0815, 29.6164, 13.5009)

Have a look what the booklet for
XYZ(34.0815, 29.6164, 13.5009)
contains.

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Color

**XYZ(34.1841, 29.6582,
13.5958)**

Conversions

Conversions Part 1

Format	Color
Hex	C9845A
RGB	201, 132, 90
RGB Percent	79%, 52%, 35%
CMY	0.2118, 0.4823, 0.6471
CMYK	0.00, 0.34, 0.55, 0.21
HSL	23°, 51%, 57%
HSV	23°, 55%, 79%
XYZ	34.1841, 29.6582, 13.5958
YIQ	147.8430, 54.6060, 1.5660

Conversions

Conversions Part 2

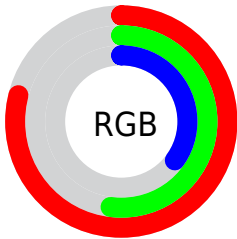
Format	Color
R_{YB}	201, 158, 90
Decimal	13206618
CIE _{Lab}	61.36, 22.14, 33.41
CIE _{LCh}	61, 40.079, 56.476
Yxy	29.6582, 0.4414, 0.3830
Android (android.graphics.Color)	4291396698 (0xFFC9845A)
YUV	147.8430, -28.5166, 46.6187
Hunter-Lab	54.4593, 16.7405, 23.3198

Details

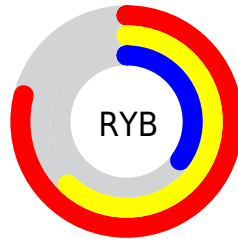
The XYZ color **34.1841, 29.6582, 13.5958** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **27.1565, 31.1855, 59.8462**, and the grayscale version is **28.1827, 29.6504, 32.2893**.

A 20% lighter version of the original color is **63.3967, 57.8810, 33.0301**, and **14.7810, 12.0486, 3.8321** is the 20% darker color. If you saturate the color by 10%, you get **31.8476, 26.1742, 9.1517**, and if you desaturate by 10%, it is **36.9563, 33.6435, 19.3269**.

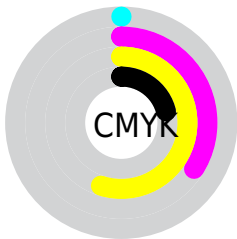
Distribution



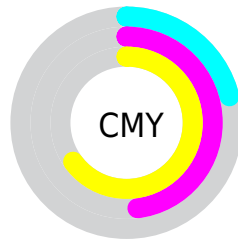
- Red (79%)
- Green (52%)
- Blue (35%)



- Red (79%)
- Yellow (62%)
- Blue (35%)



- Cyan (0%)
- Magenta (34%)
- Yellow (55%)
- Black (21%)





- Cyan (21%)
- Magenta (48%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1841, 29.6582, 13.5958 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 34.1841, 29.6582, 13.5958 by changing the saturation by 10% instead.


 34.1841, 29.6582,
13.5958


 34.1841, 29.6582,
13.5958


312.5237,
300.3080, 226.0419


 23.1986, 19.5793,
7.7046


 65.5622, 59.1212,
33.0768


 14.8617, 12.0896,
3.8214


 86.6856, 79.2741,
47.5037

 8.8081, 6.8047,
1.5279


 111.9190,
103.5538, 65.6129

 4.6723, 3.3403,
0.2386

 141.6278,
132.3447, 87.8228

 2.0891, 1.3119,
0.0000

176.1773,
166.0312, 114.5522

 0.6833, 0.1504,
0.0000

215.9329,

 0.0000, 0.0000,

204.9976, 146.2195

0.0000

261.2599,
249.6284, 183.2432

■ 34.1841, 29.6582,
13.5958

■ 34.1841, 29.6582,
13.5958

■ 31.8476, 26.1742,
9.1517

■ 36.9563, 33.6435,
19.3269

■ 29.9183, 23.1652,
5.8897

■ 40.1859, 38.1461,
26.4350

■ 28.3673, 20.6087,
3.6912

■ 43.8953, 43.1865,
35.0039

■ 27.1595, 18.4777,
2.4108

■ 48.1049, 48.7828,
45.1102

■ 26.6760, 17.5949,
1.9902

■ 52.8339, 54.9521,
56.8251

■ 58.1002, 61.7107,
70.2154

■ 63.9210, 69.0743,
85.3439

■ 70.3125, 77.0580,
102.2704

■ 74.6232, 84.6093,
107.0059

Harmonies

Analogous

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



38.3021, 29.6582, 20.9753



34.1841, 29.6582, 13.5958



28.8187, 29.6582, 11.0799

Triad

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



34.1841, 29.6582, 13.5958



19.2121, 29.6582, 30.5361



32.9681, 29.6582, 65.9887

Complementary

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



34.1841, 29.6582, 13.5958



27.1565, 31.1855, 59.8462

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.



27.5690, 29.6582, 70.9352



34.1841, 29.6582, 13.5958



20.0343, 29.6582, 47.0875

Square

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



34.1841, 29.6582, 13.5958



20.5360, 29.6582, 18.7355



22.9397, 29.6582, 63.1488



37.5407, 29.6582, 51.1866

Rectangle

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



34.1841, 29.6582, 13.5958



25.4035, 29.6582, 11.6482



22.9397, 29.6582, 63.1488



31.1715, 29.6582, 69.0257

Sweetspot

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



34.1848, 29.6597, 13.5964



80.8380, 81.5126, 73.5290



34.1150, 22.2786, 35.8977



16.9809, 17.0210, 14.9608



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.



34.1848, 29.6597, 13.5964



53.9165, 43.8800, 14.5807



43.5338, 48.3577, 16.7127



10.9573, 11.2838, 11.1632



16.8548, 11.2267, 1.2786



0.8677, 0.6707, 0.0837

Inverse Universe

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



27.1565, 31.1855, 59.8462



40.6514, 46.6295, 101.4656



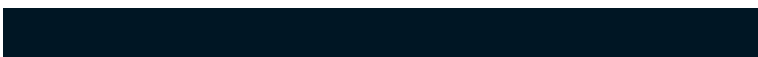
19.7905, 16.4535, 57.3908



10.5965, 11.3671, 13.5531



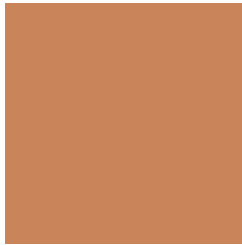
11.3255, 12.0449, 36.4723



0.6044, 0.7067, 1.7497

Previews

White Background



This preview shows how the XYZ color 34.1841, 29.6582, 13.5958 looks on a white background.

Color Contrast Check

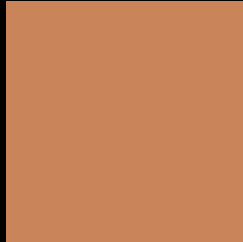
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.1841, 29.6582, 13.5958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

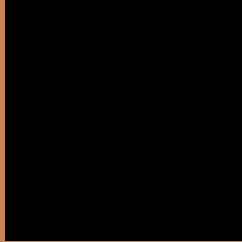
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.1841, 29.6582, 13.5958

Background



This preview shows how black text looks on a background with the XYZ color 34.1841, 29.6582, 13.5958.



This preview shows how white text looks on a background with the XYZ color 34.1841, 29.6582,

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

34.1841, 29.6582, 13.5958

Protanopia

27.5567, 29.9165, 15.3884

Deuteranopia

30.2568, 29.7539, 13.3809



Tritanopia

36.8066, 29.5367, 27.0538

Trichromacy



Original Color

34.1841, 29.6582, 13.5958

Protanomaly

29.7473, 29.6832, 14.7512

Deuteranomaly

31.6307, 29.5896, 13.4954

Tritanomaly

35.6775, 29.4668, 21.2600

Monochromacy



Original Color

34.1841, 29.6582, 13.5958

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.4401, 29.0938, 24.1427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1841, 29.6582, 13.5958 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(201, 132, 90)` looks like.

```
.text, #text, p{  
    color:rgb(201, 132, 90)  
}
```

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(201, 132, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 132, 90) }
```

Border

The CSS property to change the border of an element to XYZ 34.1841, 29.6582, 13.5958 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(201, 132, 90) }
```


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

```
.border{ border-color:rgb(201, 132, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 132, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 132, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 132, 90);  
box-shadow:4px 4px 4px 4px rgb(201, 132,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1841, 29.6582, 13.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 132, 90) }
```

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

```
.background{ background-color: rgb(201,  
132, 90) }
```

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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