

Converting Colors

XYZ(36.1815, 30.2547, 16.7388)

Have a look what the booklet for
XYZ(36.1815, 30.2547, 16.7388)
contains.

XYZ(36.1629, 30.2099, 16.7571)	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(36.1629, 30.2099,
16.7571)**

Conversions

Conversions Part 1

Format	Color
Hex	CF8267
RGB	207, 130, 103
RGB Percent	81%, 51%, 40%
CMY	0.1882, 0.4902, 0.5961
CMYK	0.00, 0.37, 0.50, 0.19
HSL	16°, 52%, 61%
HSV	16°, 50%, 81%
XYZ	36.1629, 30.2099, 16.7571
YIQ	149.9450, 54.5590, 7.9270

Conversions

Conversions Part 2

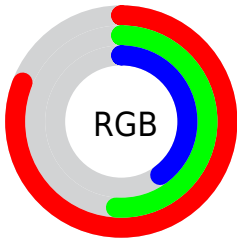
Format	Color
R_{YB}	207, 139, 103
Decimal	13599335
CIE Lab	61.83, 26.81, 27.02
CIE LCh	62, 38.065, 45.219
Yxy	30.2099, 0.4350, 0.3634
Android (android.graphics.Color)	4291789415 (0xFFCF8267)
YUV	149.9450, -23.1439, 50.0372
Hunter-Lab	54.9635, 21.2567, 20.3983

Details

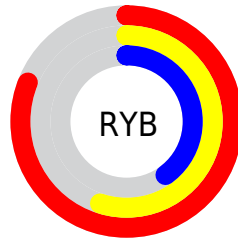
The XYZ color **36.1629, 30.2099, 16.7571** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **33.1764, 40.0292, 65.0090**, and the grayscale version is **29.0457, 30.5583, 33.2780**.

A 20% lighter version of the original color is **64.2132, 57.8741, 38.3583**, and **15.9769, 12.4124, 5.2951** is the 20% darker color. If you saturate the color by 10%, you get **33.3609, 26.0679, 11.3162**, and if you desaturate by 10%, it is **39.5272, 35.0650, 23.6548**.

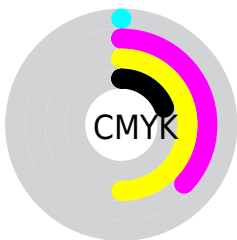
Distribution



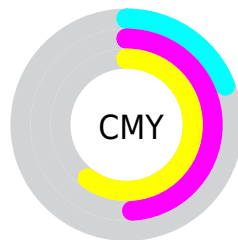
- Red (81%)
- Green (51%)
- Blue (40%)



- Red (81%)
- Yellow (55%)
- Blue (40%)



- Cyan (0%)
- Magenta (37%)
- Yellow (50%)
- Black (19%)





- Cyan (19%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1629, 30.2099, 16.7571 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 36.1629, 30.2099, 16.7571 by changing the saturation by 10% instead.


 36.1629, 30.2099,
16.7571


 36.1629, 30.2099,
16.7571


321.0908,
302.8816, 245.7651


 24.7307, 19.9980,
9.9013


 68.6057, 59.9940,
38.6926

 16.0042, 12.3936,
5.2288


 90.3469, 80.3349,
54.6094

 9.6180, 7.0123,
2.3211


 116.2553,
104.8209, 74.3836

 5.2067, 3.4698,
0.7430

 146.6961,
133.8365, 98.4338

 2.4051, 1.3816,
0.0000

182.0347,
167.7659, 127.1785

 0.8476, 0.2031,
0.0000

222.6365,

 0.0000, 0.0000,

206.9936, 161.0363

0.0000

268.8667,
251.9041, 200.4256

■ 36.1629, 30.2099,
16.7571

■ 36.1629, 30.2099,
16.7571

■ 33.3609, 26.0679,
11.3162

■ 39.5272, 35.0650,
23.6548

■ 31.0862, 22.6000,
7.2241

■ 43.4816, 40.6608,
32.1032

■ 29.3032, 19.7702,
4.3604

■ 48.0543, 47.0287,
42.1903

■ 27.9701, 17.5367,
2.5820

■ 53.2713, 54.1971,
53.9970

■ 27.0396, 15.8804,
1.6401

■ 59.1570, 62.1928,
67.5987

■ 65.7344, 71.0414,
83.0664

■ 73.0254, 80.7674,
100.4673

■ 78.7829, 90.4870,
107.9212

■ 79.5420, 92.0053,
108.1742

Harmonies

Analogous

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



39.2145, 30.2099, 26.0790



36.1629, 30.2099, 16.7571



31.2799, 30.2099, 12.5732

Triad

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



36.1629, 30.2099, 16.7571



20.2623, 30.2099, 26.2568



31.3565, 30.2099, 67.9693

Complementary

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



36.1629, 30.2099, 16.7571



33.1764, 40.0292, 65.0090

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.



26.2917, 30.2099, 68.0594



36.1629, 30.2099, 16.7571



20.2776, 30.2099, 40.8022

Square

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



36.1629, 30.2099, 16.7571



22.3199, 30.2099, 16.8540



22.3647, 30.2099, 57.0302



36.2247, 30.2099, 56.8117

Rectangle

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



36.1629, 30.2099, 16.7571



27.8337, 30.2099, 12.1513



22.3647, 30.2099, 57.0302



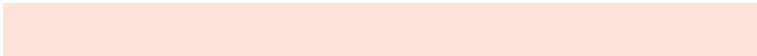
29.6119, 30.2099, 69.3834

Sweetspot

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



36.1636, 30.2114, 16.7577



81.1141, 81.0212, 76.8388



38.9229, 26.3023, 46.7415



16.9848, 16.8233, 15.5957



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.



36.1636, 30.2114, 16.7577



53.2709, 41.4845, 17.7700



44.7041, 47.2924, 19.6045



12.0548, 12.3002, 12.3509



17.1020, 10.1370, 1.0553



1.0216, 0.6974, 0.0808

Inverse Universe

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



33.1764, 40.0292, 65.0090



47.8992, 58.7842, 103.4297



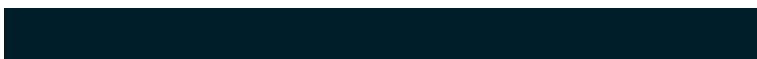
24.7065, 23.0894, 62.1857



11.8878, 12.8658, 15.1004



14.3788, 17.4042, 39.7940



0.8663, 1.0977, 2.2458

Previews

White Background



This preview shows how the XYZ color 36.1629, 30.2099, 16.7571 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 36.1629, 30.2099, 16.7571 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 ✓ Pass

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

XYZ 36.1629, 30.2099, 16.7571

Background



This preview shows how black text looks on a background with the XYZ color 36.1629, 30.2099, 16.7571.



This preview shows how white text looks on a background with the XYZ color 36.1629, 30.2099,

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

36.1629, 30.2099, 16.7571

Protanopia

28.4735, 30.5375, 19.4325

Deuteranopia

30.7131, 30.1487, 16.2571



Tritanopia

38.1285, 30.2263, 26.7463

Trichromacy



Original Color

36.1629, 30.2099, 16.7571

Protanomaly

30.8893, 30.1926, 18.3871

Deuteranomaly

32.4237, 29.9354, 16.3811

Tritanomaly

37.1769, 30.0187, 22.5736

Monochromacy



Original Color

36.1629, 30.2099, 16.7571

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.8507, 29.9963, 26.3542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1629, 30.2099, 16.7571 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(207, 130, 103)` looks like.

```
.text, #text, p{  
    color:rgb(207, 130, 103)  
}
```

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(207, 130, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 130, 103) }
```

Border

The CSS property to change the border of an element to XYZ 36.1629, 30.2099, 16.7571 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(207, 130, 103) }
```


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

```
.border{ border-color:rgb(207, 130, 103) }
```

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

Here you see how a box with a 4 pixel rgb(207, 130, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 130, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 130, 103);  
box-shadow:4px 4px 4px 4px rgb(207, 130,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1629, 30.2099, 16.7571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 130, 103) }
```

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

```
.background{ background-color: rgb(207,  
130, 103) }
```

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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