

Converting Colors

XYZ(36.8349, 29.2702, 14.2980)

Have a look what the booklet for
XYZ(36.8349, 29.2702, 14.2980)
contains.

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Color

**XYZ(36.8349, 29.2702,
14.2980)**

Conversions

Conversions Part 1

Format	Color
Hex	D67B5E
RGB	214, 123, 94
RGB Percent	84%, 48%, 37%
CMY	0.1608, 0.5176, 0.6314
CMYK	0.00, 0.43, 0.56, 0.16
HSL	15°, 59%, 60%
HSV	15°, 56%, 84%
XYZ	36.8349, 29.2702, 14.2980
YIQ	146.9030, 63.5450, 10.2730

Conversions

Conversions Part 2

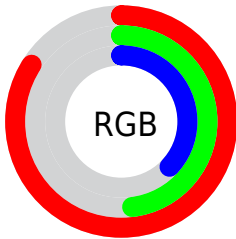
Format	Color
R_{YB}	214, 132, 94
Decimal	14056286
CIE _{Lab}	61.02, 32.56, 31.14
CIE _{LCh}	61, 45.050, 43.720
Yxy	29.2702, 0.4581, 0.3640
Android (android.graphics.Color)	4292246366 (0xFFD67B5E)
YUV	146.9030, -26.0812, 58.8441
Hunter-Lab	54.1019, 26.8520, 22.2023

Details

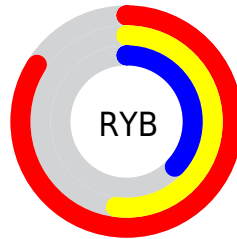
The XYZ color **36.8349, 29.2702, 14.2980** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **34.1016, 41.9305, 69.9141**, and the grayscale version is **27.7798, 29.2265, 31.8277**.

A 20% lighter version of the original color is **62.0730, 54.7486, 34.0840**, and **16.3480, 11.8085, 4.1070** is the 20% darker color. If you saturate the color by 10%, you get **34.1555, 25.2412, 9.3061**, and if you desaturate by 10%, it is **40.1156, 34.0761, 20.8040**.

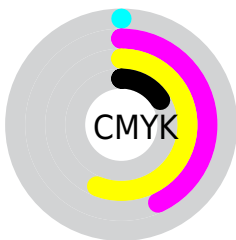
Distribution



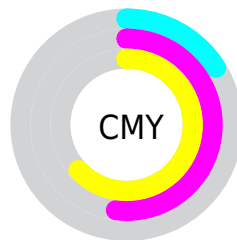
- Red (84%)
- Green (48%)
- Blue (37%)



- Red (84%)
- Yellow (52%)
- Blue (37%)



- Cyan (0%)
- Magenta (43%)
- Yellow (56%)
- Black (16%)





- Cyan (16%)
- Magenta (52%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8349, 29.2702, 14.2980 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 36.8349, 29.2702, 14.2980 by changing the saturation by 10% instead.


 36.8349, 29.2702,
14.2980


 36.8349, 29.2702,
14.2980

323.9631,
298.4877, 230.5694


 25.2528, 19.2853,
8.1871


 69.6343, 58.5061,
34.3416


 16.3952, 11.8766,
4.1254


 91.5822, 78.5259,
49.1113

 9.8969, 6.6597,
1.6944


 117.7162,
102.6595, 67.6044

 5.3924, 3.2502,
0.3569

 148.4015,
131.2912, 90.2395

 2.5164, 1.2637,
0.0000

184.0034,
164.8055, 117.4349

 0.9035, 0.1128,
0.0000

224.8875,

 0.0000, 0.0000,

203.5868, 149.6094

0.0000

271.4189,
248.0194, 187.1814

■ 36.8349, 29.2702,
14.2980

■ 36.8349, 29.2702,
14.2980

■ 34.1555, 25.2412,
9.3061

■ 40.1156, 34.0761,
20.8040

■ 32.0363, 21.9426,
5.7021

■ 44.0308, 39.6929,
28.9331

■ 30.4337, 19.3298,
3.3420

■ 48.6136, 46.1582,
38.7858

■ 29.2954, 17.3504,
2.0462

■ 53.8943, 53.5055,
50.4544

■ 28.9472, 16.7277,
1.7031

■ 59.9011, 61.7669,
64.0241

■ 66.6606, 70.9726,
79.5751

■ 74.1982, 81.1513,
97.1828

■ 80.8515, 91.6563,
108.0378

■ 81.5414, 93.0361,
108.2678

Harmonies

Analogous

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



40.3372, 29.2702, 24.7796



36.8349, 29.2702, 14.2980



31.1177, 29.2702, 9.7734

Triad

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



36.8349, 29.2702, 14.2980



18.3035, 29.2702, 23.6147



30.5940, 29.2702, 74.9068

Complementary

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



36.8349, 29.2702, 14.2980



34.1016, 41.9305, 69.9141

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.



24.7647, 29.2702, 74.2457



36.8349, 29.2702, 14.2980



18.2046, 29.2702, 40.1990

Square

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



36.8349, 29.2702, 14.2980



20.7040, 29.2702, 13.7058



20.4116, 29.2702, 59.9550



36.4051, 29.2702, 61.5302

Rectangle

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



36.8349, 29.2702, 14.2980



27.0921, 29.2702, 9.2236



20.4116, 29.2702, 59.9550



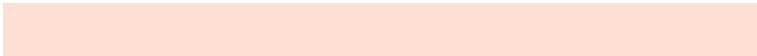
28.5617, 29.2702, 76.4323

Sweetspot

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



36.8356, 29.2717, 14.2985



79.2349, 78.3065, 72.9947



40.5972, 25.8469, 49.3036



16.6052, 16.2695, 14.8355



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.



36.8356, 29.2717, 14.2985



50.2364, 36.6829, 12.8511



46.4798, 48.5602, 17.5133



12.6646, 12.9034, 12.9838



17.5652, 10.2475, 1.0522



1.1248, 0.7487, 0.0852

Inverse Universe

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



34.1016, 41.9305, 69.9141



45.6913, 57.0551, 103.2123



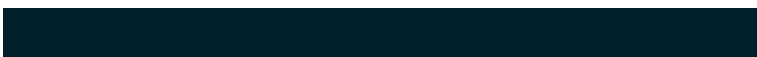
24.2147, 22.1567, 66.6185



12.5261, 13.5755, 15.8977



15.2598, 18.7814, 41.2740



0.9828, 1.2576, 2.5103

Previews

White Background



This preview shows how the XYZ color 36.8349, 29.2702, 14.2980 looks on a white background.

Color Contrast Check

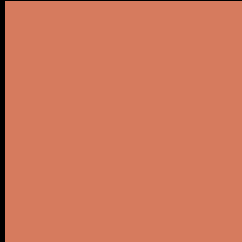
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8349, 29.2702, 14.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

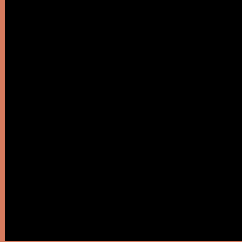
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8349, 29.2702, 14.2980

Background



This preview shows how black text looks on a background with the XYZ color 36.8349, 29.2702, 14.2980.



This preview shows how white text looks on a background with the XYZ color 36.8349, 29.2702,

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

36.8349, 29.2702, 14.2980

Protanopia

27.3867, 29.5502, 17.3570

Deuteranopia

29.9607, 29.3716, 13.7631



Tritanopia

38.7465, 29.3249, 23.6968

Trichromacy



Original Color

36.8349, 29.2702, 14.2980

Protanomaly

30.1233, 28.9690, 16.0605

Deuteranomaly

32.1517, 29.0120, 13.8028

Tritanomaly

37.8353, 29.1178, 19.8458

Monochromacy



Original Color

36.8349, 29.2702, 14.2980

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.7793, 28.3934, 24.3330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8349, 29.2702, 14.2980 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(214, 123, 94)` looks like.

```
.text, #text, p{  
    color:rgb(214, 123, 94)  
}
```

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(214, 123, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 123, 94) }
```

Border

The CSS property to change the border of an element to XYZ 36.8349, 29.2702, 14.2980 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(214, 123, 94) }
```


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

```
.border{ border-color:rgb(214, 123, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 123, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 123, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 123, 94);  
box-shadow:4px 4px 4px 4px rgb(214, 123,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8349, 29.2702, 14.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 123, 94) }
```

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

```
.background{ background-color: rgb(214,  
123, 94) }
```

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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