

Converting Colors

XYZ(34.2420, 27.2303, 3.4512)

Have a look what the booklet for
XYZ(34.2420, 27.2303, 3.4512)
contains.

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Color

**XYZ(34.2100, 27.2530,
3.4573)**

Conversions

Conversions Part 1

Format	Color
Hex	D67600
RGB	214, 118, 0
RGB Percent	84%, 46%, 0%
CMY	0.1608, 0.5372, 1.0000
CMYK	0.00, 0.45, 1.00, 0.16
HSL	33°, 100%, 42%
HSV	33°, 100%, 84%
XYZ	34.2100, 27.2530, 3.4573
YIQ	133.2520, 95.0940, -16.3460

Conversions

Conversions Part 2

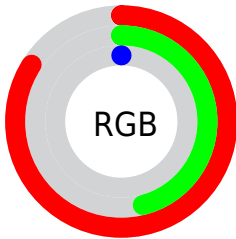
Format	Color
RYB	174, 214, 0
Decimal	14054912
CIELab	59.21, 31.49, 66.34
CIElCh	59, 73.433, 64.604
Yxy	27.2530, 0.5270, 0.4198
Android (android.graphics.Color)	4292244992 (0xFFD67600)
YUV	133.2520, -65.6932, 70.8160
Hunter-Lab	52.2044, 25.6149, 32.6165

Details

The XYZ color **34.2100, 27.2530, 3.4573** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **16.3206, 13.2210, 65.3096**, and the grayscale version is **22.5953, 23.7720, 25.8877**.

A 20% lighter version of the original color is **56.8463, 50.8032, 12.2787**, and **15.0160, 10.8096, 1.2950** is the 20% darker color. If you saturate the color by 10%, you get **34.2101, 27.2536, 3.4574**, and if you desaturate by 10%, it is **35.5384, 29.6875, 4.5867**.

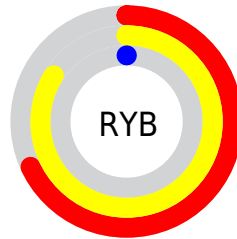
Distribution



Red (84%)

Green (46%)

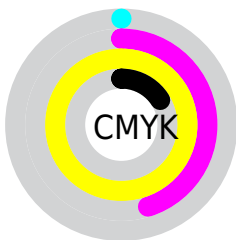
Blue (0%)



Red (68%)

Yellow (84%)

Blue (0%)

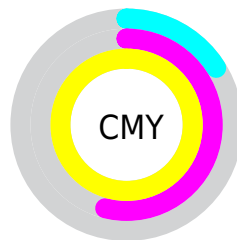


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2100, 27.2530, 3.4573 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 34.2100, 27.2530, 3.4573 by changing the saturation by 10% instead.


 34.2100, 27.2530,
3.4573


 34.2100, 27.2530,
3.4573


312.6369,
288.8800, 141.9875


 23.2186, 17.7633,
1.3326


 65.6022, 55.2896,
12.7374


 14.8766, 10.7802,
0.0883


 86.7338, 74.6053,
20.7299

 8.8186, 5.9192,
0.0000


 111.9761, 97.9651,
31.5155

 4.6792, 2.7960,
0.0000

 141.6946,
125.7535, 45.5126

 2.0931, 1.0262,
0.0000

 176.2546,
158.3547, 63.1398


 0.6855, 0.0000,
0.0000


 216.0213,


 0.0000, 0.0000,


196.1533, 84.8156


0.0000


 261.3603,
239.5336, 110.9587


 34.2100, 27.2530,
3.4573


 34.2100, 27.2530,
3.4573


 34.2101, 27.2536,
3.4574

 35.5384, 29.6875,
4.5867

 37.1388, 32.4189,
6.5671

 39.0662, 35.4756,
9.6700

 41.3519, 38.8748,
14.0456

 44.0227, 42.6319,
19.8206

■ 47.1024, 46.7611,
27.1063

■ 50.6126, 51.2752,
36.0026

■ 54.5730, 56.1865,
46.6007

■ 59.0021, 61.5065,
58.9851

Harmonies

Analogous

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



43.2618, 27.2530, 9.2644



34.2100, 27.2530, 3.4573



24.5158, 27.2530, 2.4512

Triad

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



34.2100, 27.2530, 3.4573



12.0205, 27.2530, 33.9069



37.2411, 27.2530, 93.5179

Complementary

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



34.2100, 27.2530, 3.4573



16.3206, 13.2210, 65.3096

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.



27.3419, 27.2530, 113.6293



34.2100, 27.2530, 3.4573



13.9476, 27.2530, 68.4986

Square

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



34.2100, 27.2530, 3.4573



13.0333, 27.2530, 12.8786



19.0632, 27.2530, 102.4881



45.2813, 27.2530, 56.9721

Rectangle

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



34.2100, 27.2530, 3.4573



19.2438, 27.2530, 3.3874



19.0632, 27.2530, 102.4881



33.9450, 27.2530, 103.1632

Sweetspot

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



34.2106, 27.2545, 3.4578



75.0991, 76.0404, 53.1023



29.8568, 15.1464, 12.4898



15.5832, 15.6503, 10.1026



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.



34.2106, 27.2545, 3.4578



50.7077, 40.1953, 5.0859



48.7567, 60.8314, 9.1721



12.9852, 13.5447, 13.0907



20.7833, 16.6838, 2.1249



1.3357, 1.1705, 0.1555

Inverse Universe

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



16.3206, 13.2210, 65.3096



24.1112, 19.3425, 97.0704



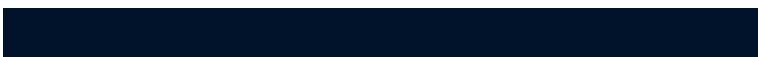
12.2718, 4.9244, 63.9215



12.1967, 12.9168, 15.7879



9.9652, 8.1921, 39.5092



0.6830, 0.6580, 2.4103

Previews

White Background



This preview shows how the XYZ color 34.2100, 27.2530, 3.4573 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 34.2100, 27.2530, 3.4573 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 34.2100, 27.2530, 3.4573

Background



This preview shows how black text looks on a background with the XYZ color 34.2100, 27.2530, 3.4573.



This preview shows how white text looks on a background with the XYZ color 34.2100, 27.2530,

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

34.2100, 27.2530, 3.4573

Protanopia

24.6216, 27.2625, 4.4948

Deuteranopia

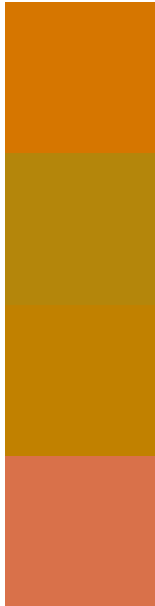
27.8602, 27.4321, 3.8265



Tritanopia

37.7003, 27.3416, 20.1201

Trichromacy



Original Color

34.2100, 27.2530, 3.4573

Protanomaly

27.4079, 26.7777, 4.0407

Deuteranomaly

29.8426, 27.0380, 3.6460

Tritanomaly

35.7564, 27.0564, 9.8164

Monochromacy



Original Color

34.2100, 27.2530, 3.4573

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.2592, 23.7756, 11.9049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2100, 27.2530, 3.4573 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, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 118, 0)  
}
```

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, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2100, 27.2530, 3.4573 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, 118, 0) }
```


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

```
.border{ border-color:rgb(214, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 118,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2100, 27.2530, 3.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 118, 0) }
```

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

```
.background{ background-color: rgb(214,  
118, 0) }
```

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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