

Converting Colors

XYZ(29.6135, 25.8174, 3.4225)

Have a look what the booklet for
XYZ(29.6135, 25.8174, 3.4225)
contains.

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Color

**XYZ(29.5886, 25.7680,
3.4142)**

Conversions

Conversions Part 1

Format	Color
Hex	C37B00
RGB	195, 123, 0
RGB Percent	76%, 48%, 0%
CMY	0.2353, 0.5176, 1.0000
CMYK	0.00, 0.37, 1.00, 0.24
HSL	38°, 100%, 38%
HSV	38°, 100%, 76%
XYZ	29.5886, 25.7680, 3.4142
YIQ	130.5060, 82.3950, -22.9890

Conversions

Conversions Part 2

Format	Color
RYB	114, 195, 0
Decimal	12811008
CIELab	57.82, 20.70, 64.20
CIELCh	58, 67.455, 72.133
Yxy	25.7680, 0.5035, 0.4384
Android (android.graphics.Color)	4291001088 (0xFFC37B00)
YUV	130.5060, -64.3395, 56.5612
Hunter-Lab	50.7622, 15.2114, 31.5458

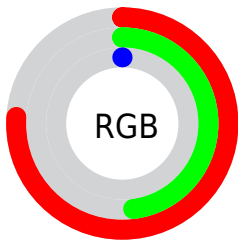
Details

The XYZ color **29.5886, 25.7680, 3.4142** is a dark color, and the websafe version is hex **CC9933**.

The color can be described as dark washed orange. A complement of this color would be **12.1677, 8.5750, 52.6431**, and the grayscale version is **21.5995, 22.7244, 24.7468**.

A 20% lighter version of the original color is **57.8087, 52.7280, 12.5995**, and **12.4405, 10.0485, 1.2839** is the 20% darker color. If you saturate the color by 10%, you get **29.5888, 25.7687, 3.4143**, and if you desaturate by 10%, it is **30.6374, 27.6707, 4.3653**.

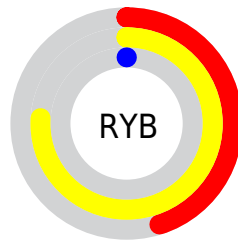
Distribution



Red (76%)

Green (48%)

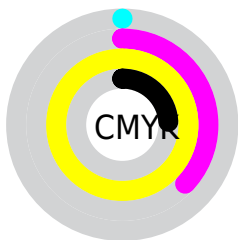
Blue (0%)



Red (45%)

Yellow (76%)

Blue (0%)

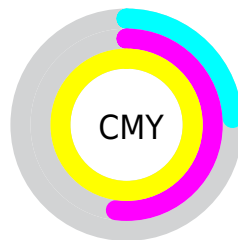


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5886, 25.7680, 3.4142 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 29.5886, 25.7680, 3.4142 by changing the saturation by 10% instead.

■ 29.5886, 25.7680,
3.4142

■ 29.5886, 25.7680,
3.4142

291.9265,
281.6413, 141.4729

■ 19.6731, 16.6502,
1.3098

■ 58.4021, 52.9004,
12.6345

■ 12.2645, 9.9854,
0.0698

■ 78.0307, 71.6838,
20.5874

■ 6.9975, 5.3893,
0.0000

■ 101.6277, 94.4578,
31.3270

■ 3.5069, 2.4774,
0.0000

■ 129.5585,
121.6069, 45.2717

■ 1.4271, 0.8653,
0.0000

■ 162.1885,
153.5154, 62.8401


■ 0.2754, 0.0000,
0.0000


■ 199.8828,


■ 0.0000, 0.0000,


190.5677, 84.4508


0.0000


 243.0071,
233.1482, 110.5222


 29.5886, 25.7680,
3.4142


 29.5886, 25.7680,
3.4142

 29.5888, 25.7687,
3.4143

 30.6374, 27.6707,
4.3653

 31.8751, 29.7552,
5.9834

 33.3472, 32.0428,
8.4983

 35.0773, 34.5451,
12.0281

 37.0856, 37.2721,
16.6732

■ 39.3900, 40.2330,
22.5214

■ 42.0065, 43.4360,
29.6518

■ 44.9500, 46.8889,
38.1368

■ 48.2342, 50.5991,
48.0432

Harmonies

Analogous

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



37.9551, 25.7680, 7.5090



29.5886, 25.7680, 3.4142



21.3614, 25.7680, 3.1383

Triad

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



29.5886, 25.7680, 3.4142



12.2009, 25.7680, 38.5168



36.4985, 25.7680, 75.8485

Complementary

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



29.5886, 25.7680, 3.4142



12.1677, 8.5750, 52.6431

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.



27.9138, 25.7680, 98.1770



29.5886, 25.7680, 3.4142



14.6608, 25.7680, 69.8876

Square

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



29.5886, 25.7680, 3.4142



12.4561, 25.7680, 16.4746



20.0166, 25.7680, 95.5386



42.5105, 25.7680, 44.0909

Rectangle

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



29.5886, 25.7680, 3.4142



17.1056, 25.7680, 4.6979



20.0166, 25.7680, 95.5386



33.7464, 25.7680, 85.3280

Sweetspot

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



29.5892, 25.7693, 3.4147



75.0024, 77.5164, 52.4553



23.7671, 12.1068, 7.6968



15.9707, 16.4252, 10.2317



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.



29.5892, 25.7693, 3.4147



52.7479, 45.6592, 6.0330



36.5832, 47.8288, 7.3040



10.5907, 11.1129, 10.6487



19.3139, 16.9135, 2.2467



0.8985, 0.8589, 0.1184

Inverse Universe

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



12.1677, 8.5750, 52.6431



21.5747, 14.9221, 94.2129



10.1981, 4.1195, 51.8869



9.8261, 10.3435, 12.7634



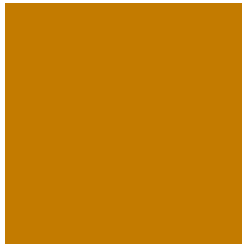
7.9823, 5.7212, 34.2402



0.4110, 0.3794, 1.5015

Previews

White Background



This preview shows how the XYZ color 29.5886, 25.7680, 3.4142 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 29.5886, 25.7680, 3.4142 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 29.5886, 25.7680, 3.4142

Background



This preview shows how black text looks on a background with the XYZ color 29.5886, 25.7680, 3.4142.



This preview shows how white text looks on a background with the XYZ color 29.5886, 25.7680,

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

29.5886, 25.7680, 3.4142

Protanopia

23.3620, 25.9560, 4.1942

Deuteranopia

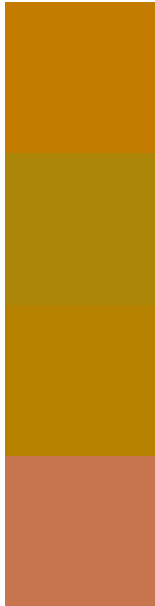
26.1558, 25.7326, 3.5883



Tritanopia

33.4119, 25.7440, 21.9470

Trichromacy



Original Color

29.5886, 25.7680, 3.4142

Protanomaly

25.3690, 25.7278, 3.8873

Deuteranomaly

27.3787, 25.7678, 3.5307

Tritanomaly

31.0251, 25.2784, 10.4517

Monochromacy



Original Color

29.5886, 25.7680, 3.4142

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.6069, 22.9329, 11.4186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5886, 25.7680, 3.4142 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(195, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 123, 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(195, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.5886, 25.7680, 3.4142 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(195, 123, 0) }
```


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

```
.border{ border-color:rgb(195, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 123,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5886, 25.7680, 3.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 123, 0) }
```

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

```
.background{ background-color: rgb(195,  
123, 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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