

Converting Colors

XYZ(30.2226, 22.8444, 4.8964)

Have a look what the booklet for
XYZ(30.2226, 22.8444, 4.8964)
contains.

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Color

**XYZ(30.2524, 22.8981,
4.9231)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6829
RGB	204, 104, 41
RGB Percent	80%, 41%, 16%
CMY	0.2000, 0.5921, 0.8392
CMYK	0.00, 0.49, 0.80, 0.20
HSL	23°, 67%, 48%
HSV	23°, 80%, 80%
XYZ	30.2524, 22.8981, 4.9231
YIQ	126.7180, 79.8230, 1.6070

Conversions

Conversions Part 2

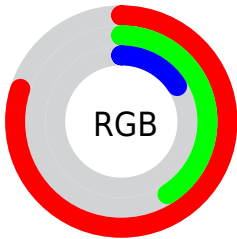
Format	Color
RYB	204, 144, 41
Decimal	13396009
CIELab	54.97, 35.49, 51.11
CIElCh	55, 62.221, 55.222
Yxy	22.8981, 0.5209, 0.3943
Android (android.graphics.Color)	4291586089 (0xFFCC6829)
YUV	126.7180, -42.2590, 67.7763
Hunter-Lab	47.8520, 29.1082, 27.3965

Details

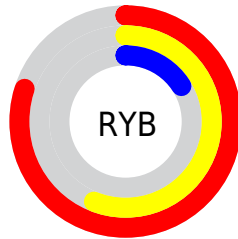
The XYZ color **30.2524, 22.8981, 4.9231** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.3376, 23.8792, 60.6109**, and the grayscale version is **20.1979, 21.2498, 23.1410**.

A 20% lighter version of the original color is **55.1853, 46.1293, 15.8928**, and **12.6469, 8.4780, 0.9698** is the 20% darker color. If you saturate the color by 10%, you get **28.8166, 20.4565, 3.1200**, and if you desaturate by 10%, it is **32.0605, 25.7898, 7.7600**.

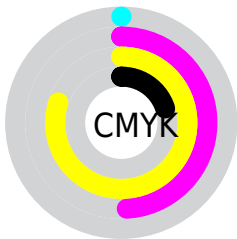
Distribution



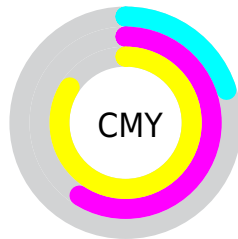
- Red (80%)
- Green (41%)
- Blue (16%)



- Red (80%)
- Yellow (56%)
- Blue (16%)



- Cyan (0%)
- Magenta (49%)
- Yellow (80%)
- Black (20%)





- Cyan (20%)
- Magenta (59%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2524, 22.8981, 4.9231 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 30.2524, 22.8981, 4.9231 by changing the saturation by 10% instead.


 30.2524, 22.8981,
4.9231


 30.2524, 22.8981,
4.9231


294.9679,
267.2012, 157.9911


 20.1793, 14.5183,
2.1443


 59.4450, 48.2260,
16.0882


 12.6344, 8.4820,
0.6419


 79.2952, 65.9428,
25.3116


 7.2526, 4.4049,
0.0000


 103.1351, 87.5407,
37.5202

 3.6683, 1.9025,
0.0000

 131.3301,
113.4042, 53.1326

 1.5162, 0.5499,
0.0000

 164.2455,
143.9176, 72.5674

 0.3368, 0.0000,
0.0000

 202.2467,

 0.0000, 0.0000,

179.4653, 96.2431

0.0000

245.6991,
220.4317, 124.5781

■ 30.2524, 22.8981,
4.9231

■ 30.2524, 22.8981,
4.9231

■ 28.8166, 20.4565,
3.1200

■ 32.0605, 25.7898,
7.7600

■ 27.6971, 18.4264,
2.1027

■ 34.2721, 29.1534,
11.7640

■ 27.6871, 18.4081,
2.0939

■ 36.9162, 33.0131,
17.0493

■ 40.0182, 37.3900,
23.7162

■ 43.6015, 42.3041,
31.8547

■ 47.6875, 47.7740,
41.5471

■ 52.2964, 53.8173,
52.8698

■ 57.4471, 60.4509,
65.8938

■ 63.1575, 67.6910,
80.6862

Harmonies

Analogous

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



36.1253, 22.8981, 11.9828



30.2524, 22.8981, 4.9231



22.8891, 22.8981, 2.9919

Triad

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



30.2524, 22.8981, 4.9231



11.0306, 22.8981, 21.8960



27.9280, 22.8981, 77.5991

Complementary

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



30.2524, 22.8981, 4.9231



21.3376, 23.8792, 60.6109

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.



20.6763, 22.8981, 85.2880



30.2524, 22.8981, 4.9231



11.8244, 22.8981, 44.9057

Square

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



30.2524, 22.8981, 4.9231



12.5765, 22.8981, 8.9211



15.0334, 22.8981, 71.0390



34.5965, 22.8981, 53.5294

Rectangle

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



30.2524, 22.8981, 4.9231



18.4599, 22.8981, 3.2940



15.0334, 22.8981, 71.0390



25.4405, 22.8981, 82.5876

Sweetspot

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



30.2529, 22.8993, 4.9235



75.8857, 75.0072, 61.3995



30.5410, 16.3618, 26.9499



15.7279, 15.3636, 11.9270



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.



30.2529, 22.8993, 4.9235



46.3296, 31.3498, 3.9022



42.6473, 47.6882, 9.0550



11.5620, 11.9129, 11.7695



17.5108, 11.7545, 1.3459



0.9764, 0.7524, 0.0938

Inverse Universe

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



21.3376, 23.8792, 60.6109



30.8137, 32.5578, 99.2680



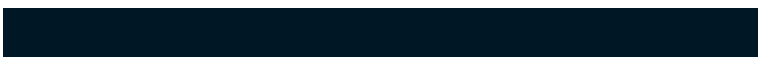
13.4303, 8.0647, 57.9751



11.1650, 11.9704, 14.2924



11.5801, 12.1842, 37.6977



0.6696, 0.7730, 1.9688

Previews

White Background



This preview shows how the XYZ color 30.2524, 22.8981, 4.9231 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 30.2524, 22.8981, 4.9231 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 30.2524, 22.8981, 4.9231

Background



This preview shows how black text looks on a background with the XYZ color 30.2524, 22.8981, 4.9231.



This preview shows how white text looks on a background with the XYZ color 30.2524, 22.8981,

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

30.2524, 22.8981, 4.9231

Protanopia

21.0184, 23.0202, 6.2413

Deuteranopia

23.3340, 22.8840, 4.6261



Tritanopia

32.5985, 23.0002, 15.8181

Trichromacy



Original Color

30.2524, 22.8981, 4.9231

Protanomaly

23.6011, 22.4412, 5.6724

Deuteranomaly

25.5021, 22.5533, 4.6782

Tritanomaly

31.4960, 22.8302, 10.5312

Monochromacy



Original Color

30.2524, 22.8981, 4.9231

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.2257, 21.0067, 13.9496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2524, 22.8981, 4.9231 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(204, 104, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 104, 41)  
}
```

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(204, 104, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 104, 41) }
```

Border

The CSS property to change the border of an element to XYZ 30.2524, 22.8981, 4.9231 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(204, 104, 41) }
```


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

```
.border{ border-color:rgb(204, 104, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 104, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 104, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 104, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 104,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2524, 22.8981, 4.9231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 104, 41) }
```

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

```
.background{ background-color: rgb(204,  
104, 41) }
```

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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