

Converting Colors

XYZ(28.4871, 22.2823, 3.1940)

Have a look what the booklet for
XYZ(28.4871, 22.2823, 3.1940)
contains.

XYZ(28.5154, 22.3429, 3.1905)	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(28.5154, 22.3429,
3.1905)**

Conversions

Conversions Part 1

Format	Color
Hex	C66A0D
RGB	198, 106, 13
RGB Percent	78%, 42%, 5%
CMY	0.2235, 0.5843, 0.9490
CMYK	0.00, 0.46, 0.93, 0.22
HSL	30°, 88%, 41%
HSV	30°, 93%, 78%
XYZ	28.5154, 22.3429, 3.1905
YIQ	122.9060, 84.6850, -9.4190

Conversions

Conversions Part 2

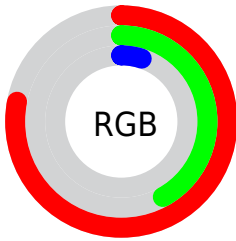
Format	Color
RYB	196, 198, 13
Decimal	13003277
CIELab	54.39, 31.32, 59.70
CIElCh	54, 67.418, 62.317
Yxy	22.3429, 0.5276, 0.4134
Android (android.graphics.Color)	4291193357 (0xFFC66A0D)
YUV	122.9060, -54.1837, 65.8574
Hunter-Lab	47.2683, 24.9637, 29.0859

Details

The XYZ color **28.5154, 22.3429, 3.1905** 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 **15.4106, 14.2659, 55.3670**, and the grayscale version is **18.9501, 19.9370, 21.7114**.

A 20% lighter version of the original color is **54.6042, 46.1687, 11.9947**, and **11.9444, 8.3295, 0.9782** is the 20% darker color. If you saturate the color by 10%, you get **27.8015, 21.0317, 2.5942**, and if you desaturate by 10%, it is **29.7887, 24.5712, 4.5974**.

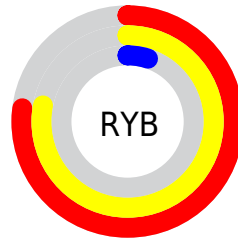
Distribution



Red (78%)

Green (42%)

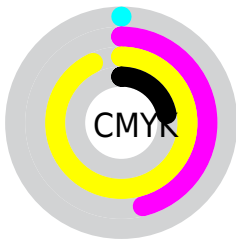
Blue (5%)



Red (77%)

Yellow (78%)

Blue (5%)

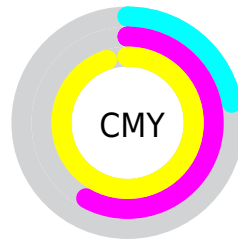


Cyan (0%)

Magenta (46%)

Yellow (93%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5154, 22.3429, 3.1905 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 28.5154, 22.3429, 3.1905 by changing the saturation by 10% instead.


 28.5154, 22.3429,
3.1905

 28.5154, 22.3429,
3.1905


286.9572,
264.3318, 138.7511


 18.8570, 14.1091,
1.1927


 56.7092, 47.3121,
12.0950

 11.6704, 8.1966,
0.0000


 75.9752, 64.8162,
19.8388

 6.5902, 4.2210,
0.0000


 99.1745, 86.1793,
30.3350

 3.2512, 1.7979,
0.0000

 126.6724,
111.7856, 44.0021

 1.2880, 0.4859,
0.0000

 158.8343,
142.0196, 61.2588


 0.1742, 0.0000,
0.0000


 196.0255,


 0.0000, 0.0000,


177.2658, 82.5235


0.0000


 238.6113,
217.9083, 108.2147

 28.5154, 22.3429,
3.1905


 28.5154, 22.3429,
3.1905


 27.8015, 21.0317,
2.5942

 29.7887, 24.5712,
4.5974

 31.3445, 27.1038,
6.9004

 33.2117, 29.9592,
10.2329

 35.4145, 33.1524,
14.7051

 37.9743, 36.6973,
20.4129

■ 40.9102, 40.6065,
27.4420

■ 44.2400, 44.8921,
35.8703

■ 47.9800, 49.5654,
45.7697

■ 52.1455, 54.6370,
57.2069

Harmonies

Analogous

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



35.5874, 22.3429, 8.4526



28.5154, 22.3429, 3.1905



20.6690, 22.3429, 2.1428

Triad

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



28.5154, 22.3429, 3.1905



9.9993, 22.3429, 26.0040



29.7392, 22.3429, 77.1941

Complementary

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



28.5154, 22.3429, 3.1905



15.4106, 14.2659, 55.3670

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.



21.8138, 22.3429, 91.4847



28.5154, 22.3429, 3.1905



11.3785, 22.3429, 53.0770

Square

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



28.5154, 22.3429, 3.1905



11.0050, 22.3429, 9.9350



15.3150, 22.3429, 80.7884



36.4011, 22.3429, 48.4425

Rectangle

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



28.5154, 22.3429, 3.1905



16.3013, 22.3429, 2.7941



15.3150, 22.3429, 80.7884



27.0784, 22.3429, 84.4114

Sweetspot

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



28.5159, 22.3441, 3.1909



75.3105, 75.6252, 55.7557



26.0083, 13.3240, 14.7016



15.5813, 15.4893, 10.5868



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.



28.5159, 22.3441, 3.1909



48.9845, 36.7489, 4.5115



43.5551, 52.4226, 8.2040



11.0671, 11.5033, 11.1998



18.1659, 13.8489, 1.7157



0.9326, 0.8006, 0.1054

Inverse Universe

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



15.4106, 14.2659, 55.3670



25.6144, 22.3488, 97.5715



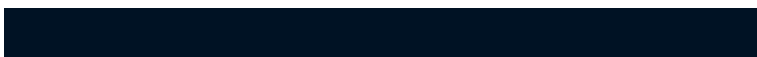
10.5031, 4.4508, 53.7312



10.4850, 11.1442, 13.5159



9.5828, 8.5596, 35.8915



0.5262, 0.5502, 1.7236

Previews

White Background



This preview shows how the XYZ color 28.5154, 22.3429, 3.1905 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 28.5154, 22.3429, 3.1905 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 28.5154, 22.3429, 3.1905

Background



This preview shows how black text looks on a background with the XYZ color 28.5154, 22.3429, 3.1905.



This preview shows how white text looks on a background with the XYZ color 28.5154, 22.3429,

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

28.5154, 22.3429, 3.1905

Protanopia

20.2843, 22.4898, 3.9813

Deuteranopia

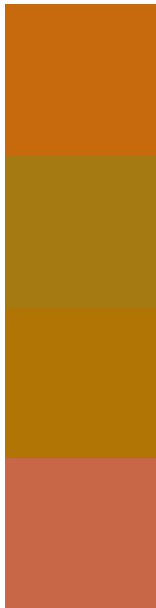
22.7247, 22.4146, 3.1287



Tritanopia

31.1508, 22.3818, 16.3140

Trichromacy



Original Color

28.5154, 22.3429, 3.1905

Protanomaly

22.7946, 22.0697, 3.6307

Deuteranomaly

24.5201, 22.0806, 3.1132

Tritanomaly

29.7405, 22.2500, 8.8581

Monochromacy



Original Color

28.5154, 22.3429, 3.1905

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.5003, 19.8311, 10.9309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5154, 22.3429, 3.1905 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(198, 106, 13)` looks like.

```
.text, #text, p{  
    color:rgb(198, 106, 13)  
}
```

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(198, 106, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 106, 13) }
```

Border

The CSS property to change the border of an element to XYZ 28.5154, 22.3429, 3.1905 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(198, 106, 13) }
```


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

```
.border{ border-color:rgb(198, 106, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 106, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 106, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 106, 13);  
box-shadow:4px 4px 4px 4px rgb(198, 106,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5154, 22.3429, 3.1905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 106, 13) }
```

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

```
.background{ background-color: rgb(198,  
106, 13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor