

Converting Colors

XYZ(29.1023, 22.9310, 3.9052)

Have a look what the booklet for
XYZ(29.1023, 22.9310, 3.9052)
contains.

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Color

**XYZ(29.1136, 22.9464,
3.9315)**

Conversions

Conversions Part 1

Format	Color
Hex	C76C1B
RGB	199, 108, 27
RGB Percent	78%, 42%, 11%
CMY	0.2196, 0.5764, 0.8941
CMYK	0.00, 0.46, 0.86, 0.22
HSL	28°, 76%, 44%
HSV	28°, 86%, 78%
XYZ	29.1136, 22.9464, 3.9315
YIQ	125.9750, 80.2370, -5.8990

Conversions

Conversions Part 2

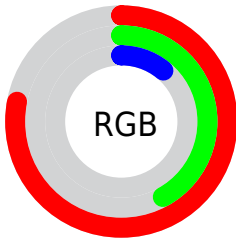
Format	Color
R _Y B	199, 180, 27
Decimal	13069339
CIE Lab	55.02, 30.94, 56.34
CIE LCh	55, 64.275, 61.227
Yxy	22.9464, 0.5200, 0.4098
Android (android.graphics.Color)	4291259419 (0xFFC76C1B)
YUV	125.9750, -48.7947, 64.0429
Hunter-Lab	47.9024, 24.6576, 28.6656

Details

The XYZ color **29.1136, 22.9464, 3.9315** 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 **17.2387, 17.3123, 56.4655**, and the grayscale version is **19.9651, 21.0048, 22.8742**.

A 20% lighter version of the original color is **55.2588, 46.9808, 13.7452**, and **12.2114, 8.6169, 1.0196** is the 20% darker color. If you saturate the color by 10%, you get **27.9110, 20.7957, 2.7468**, and if you desaturate by 10%, it is **30.6057, 25.4295, 5.9743**.

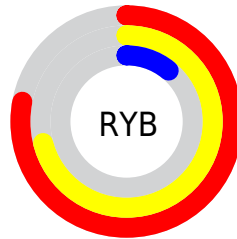
Distribution



Red (78%)

Green (42%)

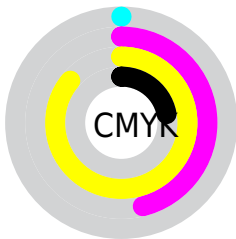
Blue (11%)



Red (78%)

Yellow (71%)

Blue (11%)

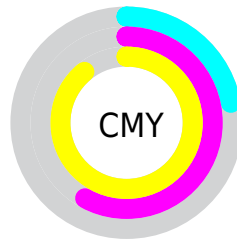


Cyan (0%)

Magenta (46%)

Yellow (86%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1136, 22.9464, 3.9315 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 29.1136, 22.9464, 3.9315 by changing the saturation by 10% instead.


 29.1136, 22.9464,
3.9315


 29.1136, 22.9464,
3.9315


289.7351,
267.4496, 147.4609

 19.3115, 14.5539,
1.5878


 57.6538, 48.3053,
13.8515

 12.0009, 8.5069,
0.2821


 77.1227, 66.0405,
22.2649


 6.8165, 4.4210,
0.0000


 100.5445, 87.6588,
33.5386

 3.3929, 1.9117,
0.0000

 128.2846,
113.5445, 48.0912

 1.3648, 0.5554,
0.0000

 160.7083,
144.0820, 66.3411

 0.2309, 0.0000,
0.0000

 198.1811,

 0.0000, 0.0000,

179.6558, 88.7071

0.0000

241.0682,
220.6502, 115.6075

29.1136, 22.9464,
3.9315

29.1136, 22.9464,
3.9315

27.9110, 20.7957,
2.7468

30.6057, 25.4295,
5.9743

27.5310, 20.0979,
2.4282

32.4186, 28.2618,
9.0255

34.5794, 31.4618,
13.2033

37.1111, 35.0455,
18.6089

40.0344, 39.0274,
25.3319

■ 43.3683, 43.4212,
33.4537

■ 47.1305, 48.2399,
43.0489

■ 51.3374, 53.4957,
54.1869

■ 56.0045, 59.2003,
66.9324

Harmonies

Analogous

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



35.7936, 22.9464, 9.6341



29.1136, 22.9464, 3.9315



21.5170, 22.9464, 2.6808

Triad

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



29.1136, 22.9464, 3.9315



10.7562, 22.9464, 25.8369



29.7358, 22.9464, 75.9929

Complementary

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



29.1136, 22.9464, 3.9315



17.2387, 17.3123, 56.4655

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.



22.1054, 22.9464, 88.5779



29.1136, 22.9464, 3.9315



12.0450, 22.9464, 51.4378

Square

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



29.1136, 22.9464, 3.9315



11.8480, 22.9464, 10.4282



15.8428, 22.9464, 77.7756



36.2045, 22.9464, 49.1118

Rectangle

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



29.1136, 22.9464, 3.9315



17.2042, 22.9464, 3.3275



15.8428, 22.9464, 77.7756



27.1719, 22.9464, 82.5349

Sweetspot

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



29.1141, 22.9476, 3.9319



75.9662, 76.0680, 58.6523



27.2588, 14.2515, 18.6833



15.8025, 15.6847, 11.4217



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.



29.1141, 22.9476, 3.9319



47.9679, 34.7159, 4.1726



42.8797, 50.4789, 8.5204



11.0389, 11.4469, 11.1904



17.7894, 13.0960, 1.5902



0.9147, 0.7648, 0.0994

Inverse Universe

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



17.2387, 17.3123, 56.4655



26.7007, 24.5214, 97.9336



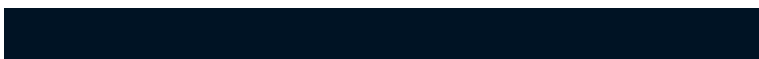
11.2973, 5.4296, 54.4850



10.5134, 11.2008, 13.5253



9.9837, 9.3614, 36.0251



0.5448, 0.5875, 1.7298

Previews

White Background



This preview shows how the XYZ color 29.1136, 22.9464, 3.9315 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 29.1136, 22.9464, 3.9315 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 29.1136, 22.9464, 3.9315

Background



This preview shows how black text looks on a background with the XYZ color 29.1136, 22.9464, 3.9315.



This preview shows how white text looks on a background with the XYZ color 29.1136, 22.9464,

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

29.1136, 22.9464, 3.9315

Protanopia

21.0565, 23.2744, 4.8215

Deuteranopia

23.3562, 22.9172, 3.6444



Tritanopia

31.7176, 22.9466, 16.9448

Trichromacy



Original Color

29.1136, 22.9464, 3.9315

Protanomaly

23.3913, 22.7297, 4.4507

Deuteranomaly

25.3048, 22.8244, 3.6879

Tritanomaly

30.4490, 22.8826, 10.2091

Monochromacy



Original Color

29.1136, 22.9464, 3.9315

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.5792, 20.7041, 12.5318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1136, 22.9464, 3.9315 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(199, 108, 27)` looks like.

```
.text, #text, p{  
    color:rgb(199, 108, 27)  
}
```

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(199, 108, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 108, 27) }
```

Border

The CSS property to change the border of an element to XYZ 29.1136, 22.9464, 3.9315 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(199, 108, 27) }
```


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

```
.border{ border-color:rgb(199, 108, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 108, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 108, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 108, 27);  
box-shadow:4px 4px 4px 4px rgb(199, 108,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1136, 22.9464, 3.9315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 108, 27) }
```

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

```
.background{ background-color: rgb(199,  
108, 27) }
```

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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