

Converting Colors

XYZ(29.6560, 23.2307, 7.7364)

Have a look what the booklet for
XYZ(29.6560, 23.2307, 7.7364)
contains.

XYZ(29.6828, 23.3132, 7.7859)	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(29.6828, 23.3132,
7.7859)**

Conversions

Conversions Part 1

Format	Color
Hex	C66D40
RGB	198, 109, 64
RGB Percent	78%, 43%, 25%
CMY	0.2235, 0.5725, 0.7490
CMYK	0.00, 0.45, 0.68, 0.22
HSL	20°, 54%, 51%
HSV	20°, 68%, 78%
XYZ	29.6828, 23.3132, 7.7859
YIQ	130.4810, 67.4890, 4.8730

Conversions

Conversions Part 2

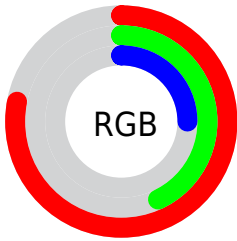
Format	Color
RYB	198, 132, 64
Decimal	13004096
CIELab	55.39, 31.50, 40.08
CIElCh	55, 50.975, 51.837
Yxy	23.3132, 0.4883, 0.3836
Android (android.graphics.Color)	4291194176 (0xFFC66D40)
YUV	130.4810, -32.7751, 59.2142
Hunter-Lab	48.2837, 25.2377, 24.2379

Details

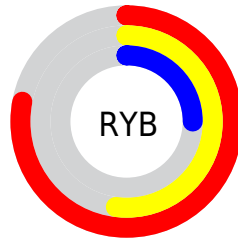
The XYZ color **29.6828, 23.3132, 7.7859** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.6979, 27.9481, 57.5714**, and the grayscale version is **21.4852, 22.6041, 24.6159**.

A 20% lighter version of the original color is **57.1410, 48.2929, 21.9326**, and **12.3126, 8.6574, 1.5524** is the 20% darker color. If you saturate the color by 10%, you get **27.9168, 20.5286, 4.8938**, and if you desaturate by 10%, it is **31.8598, 26.6001, 11.8019**.

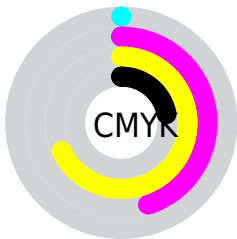
Distribution



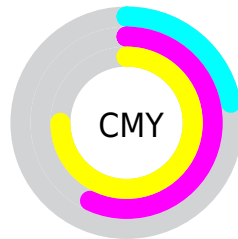
- Red (78%)
- Green (43%)
- Blue (25%)



- Red (78%)
- Yellow (52%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (68%)
- Black (22%)



- Cyan (22%)
- Magenta (57%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6828, 23.3132, 7.7859 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 29.6828, 23.3132, 7.7859 by changing the saturation by 10% instead.

■ 29.6828, 23.3132,
7.7859

■ 29.6828, 23.3132,
7.7859

292.3595,
269.3296, 183.9144

■ 19.7448, 14.8249,
3.8725

■ 58.5503, 48.9071,
22.0768

■ 12.3169, 8.6966,
1.5556

■ 78.2105, 66.7815,
33.2914

■ 7.0336, 4.5438,
0.2589

■ 101.8421, 88.5534,
47.7768

■ 3.5296, 1.9822,
0.0000

■ 129.8106,
114.6073, 65.9515

■ 1.4396, 0.5971,
0.0000

■ 162.4812,
145.3274, 88.2341

■ 0.2842, 0.0000,
0.0000

■ 200.2193,

■ 0.0000, 0.0000,

181.0983, 115.0430

0.0000

243.3903,
222.3042, 146.7970

■ 29.6828, 23.3132,
7.7859

■ 29.6828, 23.3132,
7.7859

■ 27.9168, 20.5286,
4.8938

■ 31.8598, 26.6001,
11.8019

■ 26.5285, 18.2150,
3.0038

■ 34.4738, 30.4105,
17.0436

■ 25.4763, 16.3408,
1.9435

■ 37.5505, 34.7689,
23.6028

■ 25.2662, 15.9608,
1.7491

■ 41.1128, 39.6970,
31.5619

■ 45.1820, 45.2150,
40.9969

■ 49.7782, 51.3425,
51.9777

■ 54.9202, 58.0978,
64.5703

■ 60.6259, 65.4985,
78.8365

■ 66.9123, 73.5615,
94.8349

Harmonies

Analogous

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



34.0322, 23.3132, 15.3680



29.6828, 23.3132, 7.7859



23.7592, 23.3132, 5.2154

Triad

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



29.6828, 23.3132, 7.7859



12.9481, 23.3132, 21.1642



26.5119, 23.3132, 67.3524

Complementary

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



29.6828, 23.3132, 7.7859



23.6979, 27.9481, 57.5714

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.



20.6314, 23.3132, 71.1458



29.6828, 23.3132, 7.7859



13.4282, 23.3132, 39.0140

Square

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



29.6828, 23.3132, 7.7859



14.5793, 23.3132, 10.4587



16.0271, 23.3132, 59.1293



31.9929, 23.3132, 50.2822

Rectangle

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



29.6828, 23.3132, 7.7859



19.9757, 23.3132, 5.3385



16.0271, 23.3132, 59.1293



24.4948, 23.3132, 70.4503

Sweetspot

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



29.6833, 23.3144, 7.7863



78.0296, 77.4006, 67.9539



30.8995, 17.9836, 32.1242



16.2563, 15.9641, 13.5094



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.



29.6833, 23.3144, 7.7863



48.2403, 34.3920, 6.9410



39.6741, 43.2960, 11.1166



10.9201, 11.2094, 11.1508



16.5025, 10.5222, 1.1612



0.8485, 0.6324, 0.0773

Inverse Universe

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



23.6979, 27.9481, 57.5714



36.7710, 42.8208, 100.9349



15.6620, 11.8763, 54.8928



10.6351, 11.4442, 13.5659



12.0324, 13.4586, 36.7080



0.6346, 0.7669, 1.7597

Previews

White Background



This preview shows how the XYZ color 29.6828, 23.3132, 7.7859 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 29.6828, 23.3132, 7.7859 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 29.6828, 23.3132, 7.7859

Background



This preview shows how black text looks on a background with the XYZ color 29.6828, 23.3132, 7.7859.



This preview shows how white text looks on a background with the XYZ color 29.6828, 23.3132,

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

29.6828, 23.3132, 7.7859

Protanopia

21.5898, 23.4460, 9.5185

Deuteranopia

23.9220, 23.5043, 7.5509



Tritanopia

31.8069, 23.2657, 17.8532

Trichromacy



Original Color

29.6828, 23.3132, 7.7859

Protanomaly

24.0077, 22.9520, 8.7951

Deuteranomaly

25.6902, 23.1170, 7.5229

Tritanomaly

30.8914, 23.1907, 13.4378

Monochromacy



Original Color

29.6828, 23.3132, 7.7859

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.0786, 21.9282, 16.6519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6828, 23.3132, 7.7859 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, 109, 64)` looks like.

```
.text, #text, p{  
    color:rgb(198, 109, 64)  
}
```

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, 109, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 109, 64) }
```

Border

The CSS property to change the border of an element to XYZ 29.6828, 23.3132, 7.7859 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, 109, 64) }
```


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

```
.border{ border-color:rgb(198, 109, 64) }
```

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

Here you see how a box with a 4 pixel rgb(198, 109, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 109, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 109, 64);  
box-shadow:4px 4px 4px 4px rgb(198, 109,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6828, 23.3132, 7.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 109, 64) }
```

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

```
.background{ background-color: rgb(198,  
109, 64) }
```

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