

Converting Colors

XYZ(28.1222, 23.4316, 3.3954)

Have a look what the booklet for
XYZ(28.1222, 23.4316, 3.3954)
contains.

XYZ(28.0760, 23.3986, 3.3844)	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(28.0760, 23.3986,
3.3844)**

Conversions

Conversions Part 1

Format	Color
Hex	C1720C
RGB	193, 114, 12
RGB Percent	76%, 45%, 5%
CMY	0.2431, 0.5529, 0.9529
CMYK	0.00, 0.41, 0.94, 0.24
HSL	34°, 88%, 40%
HSV	34°, 94%, 76%
XYZ	28.0760, 23.3986, 3.3844
YIQ	125.9930, 79.8260, -14.9740

Conversions

Conversions Part 2

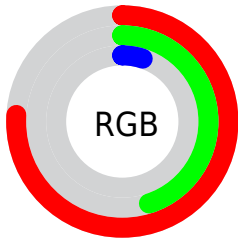
Format	Color
R_{YB}	152, 193, 12
Decimal	12677644
CIE _{Lab}	55.48, 24.89, 60.36
CIE _{LCh}	55, 65.288, 67.592
Yxy	23.3986, 0.5118, 0.4265
Android (android.graphics.Color)	4290867724 (0xFFC1720C)
YUV	125.9930, -56.1985, 58.7651
Hunter-Lab	48.3721, 18.9533, 29.7122

Details

The XYZ color **28.0760, 23.3986, 3.3844** 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 **13.5183, 11.4104, 51.9417**, and the grayscale version is **19.9957, 21.0371, 22.9094**.

A 20% lighter version of the original color is **56.0459, 49.0003, 12.6350**, and **11.5632, 8.7671, 1.0828** is the 20% darker color. If you saturate the color by 10%, you get **27.4359, 22.2248, 2.8438**, and if you desaturate by 10%, it is **29.2559, 25.4626, 4.6903**.

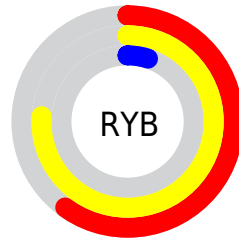
Distribution



Red (76%)

Green (45%)

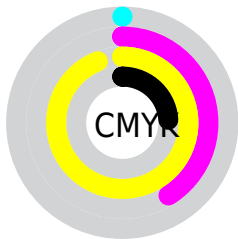
Blue (5%)



Red (60%)

Yellow (76%)

Blue (5%)

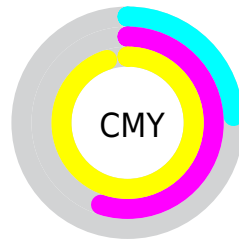


Cyan (0%)

Magenta (41%)

Yellow (94%)

Black (24%)



Cyan (24%)


Magenta (55%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0760, 23.3986, 3.3844 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 28.0760, 23.3986, 3.3844 by changing the saturation by 10% instead.


 28.0760, 23.3986,
3.3844


 28.0760, 23.3986,
3.3844

284.9034,
269.7657, 141.1153


 18.5237, 14.8881,
1.2941


 56.0136, 49.0470,
12.5631

 11.4286, 8.7409,
0.0570


 75.1295, 66.9537,
20.4886

 6.4253, 4.5726,
0.0000


 98.1641, 88.7613,
31.1962

 3.1485, 1.9987,
0.0000

 125.4826,
114.8541, 45.1045

 1.2328, 0.6067,
0.0000

 157.4504,
145.6165, 62.6320


 0.1320, 0.0000,
0.0000


 194.4330,


 0.0000, 0.0000,


181.4330, 84.1973


0.0000


 236.7955,
222.6880, 110.2189


 28.0760, 23.3986,
3.3844


 28.0760, 23.3986,
3.3844


 27.4359, 22.2248,
2.8438

 29.2559, 25.4626,
4.6903

 30.6775, 27.7659,
6.8290

 32.3673, 30.3235,
9.9257

 34.3467, 33.1476,
14.0843

 36.6349, 36.2489,
19.3945

■ 39.2490, 39.6374,
25.9370

■ 42.2045, 43.3225,
33.7846

■ 45.5161, 47.3130,
43.0048

■ 49.1973, 51.6171,
53.6601

Harmonies

Analogous

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



35.4284, 23.3986, 7.8992



28.0760, 23.3986, 3.3844



20.4235, 23.3986, 2.7285

Triad

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



28.0760, 23.3986, 3.3844



10.9632, 23.3986, 31.2100



32.0273, 23.3986, 72.9118

Complementary

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



28.0760, 23.3986, 3.3844



13.5183, 11.4104, 51.9417

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.



24.1604, 23.3986, 90.3764



28.0760, 23.3986, 3.3844



12.8129, 23.3986, 59.0199

Square

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



28.0760, 23.3986, 3.3844



11.5626, 23.3986, 12.9496



17.2740, 23.3986, 84.2357



38.0378, 23.3986, 44.2383

Rectangle

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



28.0760, 23.3986, 3.3844



16.3130, 23.3986, 3.8036



17.2740, 23.3986, 84.2357



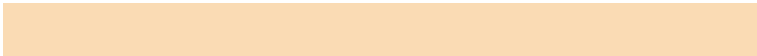
29.4518, 23.3986, 80.8468

Sweetspot

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



28.0765, 23.3998, 3.3848



73.0452, 74.4496, 53.6619



24.1196, 12.3988, 11.5833



15.1872, 15.3650, 10.2414



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.0765, 23.3998, 3.3848



48.8887, 39.3060, 5.0101



38.8914, 48.3504, 7.6308



10.5335, 10.9985, 10.6296



18.3290, 14.9437, 1.9184



0.8595, 0.7809, 0.1054

Inverse Universe

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



13.5183, 11.4104, 51.9417



22.7155, 17.8475, 92.6080



10.0675, 4.2733, 50.7460



9.8819, 10.4550, 12.7820



8.5995, 6.9556, 34.4459



0.4400, 0.4375, 1.5111

Previews

White Background



This preview shows how the XYZ color 28.0760, 23.3986, 3.3844 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 28.0760, 23.3986, 3.3844 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 28.0760, 23.3986, 3.3844

Background



This preview shows how black text looks on a background with the XYZ color 28.0760, 23.3986, 3.3844.



This preview shows how white text looks on a background with the XYZ color 28.0760, 23.3986,

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

28.0760, 23.3986, 3.3844

Protanopia

21.2203, 23.5812, 4.0493

Deuteranopia

23.9516, 23.6138, 3.2955



Tritanopia

31.2173, 23.3933, 18.7896

Trichromacy



Original Color

28.0760, 23.3986, 3.3844

Protanomaly

23.4088, 23.3231, 3.7583

Deuteranomaly

25.3415, 23.3928, 3.2945

Tritanomaly

29.5731, 23.2089, 9.9423

Monochromacy



Original Color

28.0760, 23.3986, 3.3844

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.1769, 21.0590, 11.5430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0760, 23.3986, 3.3844 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(193, 114, 12)` looks like.

```
.text, #text, p{  
    color:rgb(193, 114, 12)  
}
```

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(193, 114, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 114, 12) }
```

Border

The CSS property to change the border of an element to XYZ 28.0760, 23.3986, 3.3844 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(193, 114, 12) }
```


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

```
.border{ border-color:rgb(193, 114, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 114, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 114, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 114, 12);  
box-shadow:4px 4px 4px 4px rgb(193, 114,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0760, 23.3986, 3.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 114, 12) }
```

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

```
.background{ background-color: rgb(193,  
114, 12) }
```

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