

Converting Colors

XYZ(15.8760, 12.0030, 2.2907)

Have a look what the booklet for
XYZ(15.8760, 12.0030, 2.2907)
contains.

XYZ(15.8760, 12.0030, 2.2907)	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(15.8760, 12.0030,
2.2907)**

Conversions

Conversions Part 1

Format	Color
Hex	994C17
RGB	153, 76, 23
RGB Percent	60%, 30%, 9%
CMY	0.4000, 0.7019, 0.9098
CMYK	0.00, 0.50, 0.85, 0.40
HSL	24°, 74%, 35%
HSV	24°, 85%, 60%
XYZ	15.8760, 12.0030, 2.2907
YIQ	92.9810, 62.9050, -0.1590

Conversions

Conversions Part 2

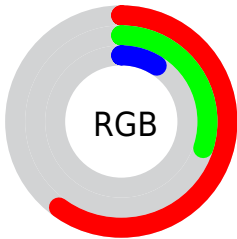
Format	Color
R _Y B	153, 112, 23
Decimal	10046487
CIE Lab	41.22, 28.72, 43.44
CIE LCh	41, 52.080, 56.532
Yxy	12.0030, 0.5262, 0.3978
Android (android.graphics.Color)	4288236567 (0xFF994C17)
YUV	92.9810, -34.5006, 52.6367
Hunter-Lab	34.6453, 21.1671, 20.3316

Details

The XYZ color **15.8760, 12.0030, 2.2907** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.6601, 11.5960, 31.8133**, and the grayscale version is **10.4681, 11.0133, 11.9934**.

A 20% lighter version of the original color is **36.0388, 29.5228, 9.7603**, and **5.2632, 3.3655, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **15.1828, 10.7966, 1.5049**, and if you desaturate by 10%, it is **16.7453, 13.4216, 3.5675**.

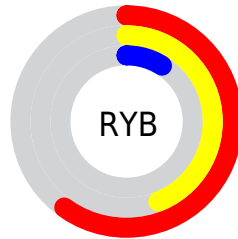
Distribution



Red (60%)

Green (30%)

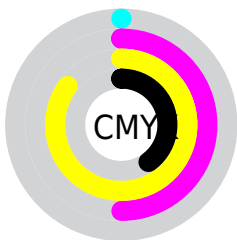
Blue (9%)



Red (60%)

Yellow (44%)

Blue (9%)

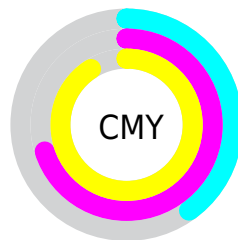


Cyan (0%)

Magenta (50%)

Yellow (85%)

Black (40%)



Cyan (40%)


Magenta (70%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8760, 12.0030, 2.2907 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 15.8760, 12.0030, 2.2907 by changing the saturation by 10% instead.


 15.8760, 12.0030,
2.2907


 15.8760, 12.0030,
2.2907


221.8937,
204.4252, 126.7390


 9.5267, 6.7457,
0.7260


 35.9420, 29.5006,
9.8213


 5.1462, 3.3036,
0.0000

 50.3894, 42.5097,
16.6434

 2.3689, 1.2922,
0.0000

 68.2670, 58.8715,
26.0614

 0.8296, 0.1352,
0.0000


 89.9400, 78.9704,
38.4939


 0.0000, 0.0000,
0.0000


 115.7738,
103.1908, 54.3593


 146.1338,


131.9172, 74.0763


 181.3853,
165.5338, 98.0633


 15.8760, 12.0030,
2.2907

 15.8760, 12.0030,
2.2907


 15.1828, 10.7966,
1.5049


 16.7453, 13.4216,
3.5675

 14.8802, 10.2591,
1.1959

 17.8075, 15.0632,
5.4102

 19.0772, 16.9391,
7.8785

 20.5671, 19.0596,
11.0240

 22.2887, 21.4340,
14.8931

■ 24.2527, 24.0711,
19.5280

■ 26.4692, 26.9791,
24.9676

■ 28.9473, 30.1661,
31.2480

■ 31.6959, 33.6395,
38.4033

Harmonies

Analogous

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



19.1727, 12.0030, 5.8325



15.8760, 12.0030, 2.2907



11.8512, 12.0030, 1.3837

Triad

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



15.8760, 12.0030, 2.2907



5.6084, 12.0030, 11.8568



14.9508, 12.0030, 41.7094

Complementary

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



15.8760, 12.0030, 2.2907



10.6601, 11.5960, 31.8133

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.



10.9769, 12.0030, 46.5266



15.8760, 12.0030, 2.2907



6.0873, 12.0030, 24.6663

Square

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



15.8760, 12.0030, 2.2907



6.3794, 12.0030, 4.6556



7.8692, 12.0030, 39.0541



18.5614, 12.0030, 28.1283

Rectangle

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



15.8760, 12.0030, 2.2907



9.4731, 12.0030, 1.5749



7.8692, 12.0030, 39.0541



13.5910, 12.0030, 44.6460

Sweetspot

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



15.8763, 12.0037, 2.2909



43.2370, 42.8471, 34.4986



15.7923, 8.3248, 13.0866



9.2889, 9.1168, 7.0010



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.8763, 12.0037, 2.2909



26.4761, 18.0274, 2.0842



22.6696, 25.5904, 4.5554



6.4053, 6.6156, 6.5452



12.3295, 8.5415, 0.9988



0.2187, 0.1965, 0.0264

Inverse Universe

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



10.6601, 11.5960, 31.8133



16.7527, 17.0300, 56.3761



6.7341, 3.7440, 30.5047



6.1732, 6.6038, 7.8783



7.8505, 8.0977, 26.0570



0.1530, 0.1924, 0.4014

Previews

White Background



This preview shows how the XYZ color 15.8760, 12.0030, 2.2907 looks on a white 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

Black Background



This preview shows how the XYZ color 15.8760, 12.0030, 2.2907 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8760, 12.0030, 2.2907

Background



This preview shows how black text looks on a background with the XYZ color 15.8760, 12.0030, 2.2907.



This preview shows how white text looks on a background with the XYZ color 15.8760, 12.0030,

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

15.8760, 12.0030, 2.2907

Protanopia

11.0199, 12.1391, 2.9247

Deuteranopia

12.3058, 12.1455, 2.1112



Tritanopia

17.0753, 11.9968, 8.2531

Trichromacy



Original Color

15.8760, 12.0030, 2.2907

Protanomaly

12.4582, 11.8271, 2.6631

Deuteranomaly

13.5010, 12.0078, 2.1365

Tritanomaly

16.4475, 11.9305, 5.3068

Monochromacy



Original Color

15.8760, 12.0030, 2.2907

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.5218, 10.8786, 6.9614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8760, 12.0030, 2.2907 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(153, 76, 23)` looks like.

```
.text, #text, p{  
    color:rgb(153, 76, 23)  
}
```

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(153, 76, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 76, 23) }
```

Border

The CSS property to change the border of an element to XYZ 15.8760, 12.0030, 2.2907 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(153, 76, 23) }
```


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

```
.border{ border-color:rgb(153, 76, 23) }
```

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

Here you see how a box with a 4 pixel rgb(153, 76, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 76, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 76, 23);  
box-shadow:4px 4px 4px 4px rgb(153, 76,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8760, 12.0030, 2.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 76, 23) }
```

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

```
.background{ background-color: rgb(153, 76,  
23) }
```

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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