

Converting Colors

XYZ(15.3052, 15.3879, 0.0000)

Have a look what the booklet for
XYZ(15.3052, 15.3879, 0.0000)
contains.

XYZ(15.6990, 15.5921, 2.1822)	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(15.6990, 15.5921,
2.1822)**

Conversions

Conversions Part 1

Format	Color
Hex	8B6900
RGB	139, 105, 0
RGB Percent	55%, 41%, 0%
CMY	0.4549, 0.5882, 1.0000
CMYK	0.00, 0.24, 1.00, 0.45
HSL	45°, 100%, 27%
HSV	45°, 100%, 55%
XYZ	15.6990, 15.5921, 2.1822
YIQ	103.1960, 53.9690, -25.4470

Conversions

Conversions Part 2

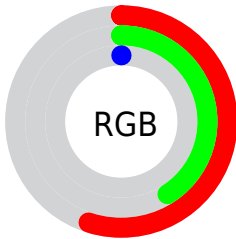
Format	Color
RYB	45, 139, 0
Decimal	9136384
CIELab	46.43, 5.22, 53.32
CIELCh	46, 53.575, 84.409
Yxy	15.5921, 0.4690, 0.4658
Android (android.graphics.Color)	4287326464 (0xFF8B6900)
YUV	103.1960, -50.8756, 31.4001
Hunter-Lab	39.4868, 1.8653, 24.3642

Details

The XYZ color **15.6990, 15.5921, 2.1822** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2323, 3.0083, 24.7307**, and the grayscale version is **13.0653, 13.7457, 14.9690**.

A 20% lighter version of the original color is **35.7567, 35.9842, 9.4759**, and **5.1692, 4.9109, 0.6755** is the 20% darker color. If you saturate the color by 10%, you get **15.6991, 15.5925, 2.1822**, and if you desaturate by 10%, it is **16.1312, 16.3308, 2.7141**.

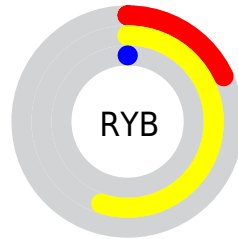
Distribution



Red (55%)

Green (41%)

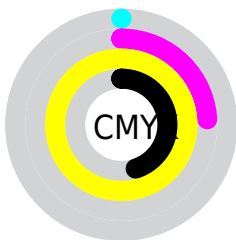
Blue (0%)



Red (18%)

Yellow (55%)

Blue (0%)

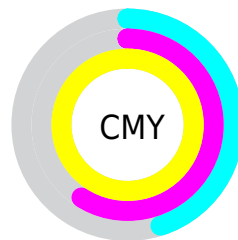


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (45%)



Cyan (45%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6990, 15.5921, 2.1822 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 15.6990, 15.5921, 2.1822 by changing the saturation by 10% instead.

■ 15.6990, 15.5921,
2.1822

■ 15.6990, 15.5921,
2.1822

220.8645,
226.9226, 125.1448

■ 9.4009, 9.2360,
0.6641

■ 35.6365, 35.8886,
9.5332

■ 5.0628, 4.8954,
0.0000

■ 50.0067, 50.5978,
16.2332

■ 2.3193, 2.1860,
0.0000

■ 67.7983, 68.8601,
25.5076

■ 0.8045, 0.7124,
0.0000

■ 89.3766, 91.0599,
37.7750


■ 0.0000, 0.0000,
0.0000


■ 115.1070,
117.5817, 53.4539


■ 145.3549,


148.8098, 72.9627


 180.4856,
185.1287, 96.7202


 15.6990, 15.5921,
2.1822


 15.6990, 15.5921,
2.1822


 15.6991, 15.5925,
2.1822

 16.1312, 16.3308,
2.7141

 16.6271, 17.1168,
3.5141

 17.2139, 17.9618,
4.7228

 17.9012, 18.8699,
6.3900

 18.6972, 19.8446,
8.5581

■ 19.6091, 20.8890,
11.2647

■ 20.6435, 22.0061,
14.5440

■ 21.8066, 23.1984,
18.4272

■ 23.1039, 24.4685,
22.9430

Harmonies

Analogous

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



20.5909, 15.5921, 3.5812



15.6990, 15.5921, 2.1822



11.4549, 15.5921, 2.7754

Triad

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



15.6990, 15.5921, 2.1822



8.1328, 15.5921, 29.7543



23.2454, 15.5921, 36.4156

Complementary

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



15.6990, 15.5921, 2.1822



5.2323, 3.0083, 24.7307

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.



18.7866, 15.5921, 52.1016



15.6990, 15.5921, 2.1822



10.2424, 15.5921, 47.0581

Square

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



15.6990, 15.5921, 2.1822



7.6411, 15.5921, 14.6253



13.9741, 15.5921, 56.7640



25.4892, 15.5921, 19.5685

Rectangle

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



15.6990, 15.5921, 2.1822



9.4490, 15.5921, 4.5442



13.9741, 15.5921, 56.7640



21.9163, 15.5921, 42.2861

Sweetspot

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



15.6993, 15.5929, 2.1825



36.8406, 39.2739, 25.6272



10.9472, 5.6090, 2.0768



8.3251, 8.8750, 5.3783



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.6993, 15.5929, 2.1825



27.9805, 27.6552, 3.8633



14.9707, 21.4231, 3.3463



5.3292, 5.6412, 5.3604



14.1831, 14.1007, 1.9742



0.1057, 0.1165, 0.0169

Inverse Universe

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



5.2323, 3.0083, 24.7307



9.2568, 5.1607, 44.2512



5.3451, 2.2173, 24.5720



4.8676, 5.0781, 6.3295



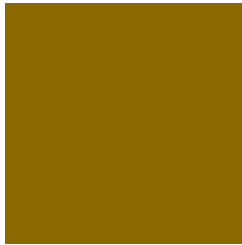
4.7343, 2.7389, 22.3248



0.0415, 0.0383, 0.1516

Previews

White Background



This preview shows how the XYZ color 15.6990, 15.5921, 2.1822 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



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 15.6990, 15.5921, 2.1822

Background



This preview shows how black text looks on a background with the XYZ color 15.6990, 15.5921, 2.1822.



This preview shows how white text looks on a background with the XYZ color 15.6990, 15.5921,

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

15.6990, 15.5921, 2.1822

Protanopia

14.1802, 15.7442, 2.4926

Deuteranopia

15.8887, 15.6874, 2.3054



Tritanopia

18.4191, 15.6846, 15.4212

Trichromacy



Original Color

15.6990, 15.5921, 2.1822

Protanomaly

14.6965, 15.6919, 2.3691

Deuteranomaly

15.8832, 15.6852, 2.2766

Tritanomaly

16.8221, 15.4634, 7.4083

Monochromacy



Original Color

15.6990, 15.5921, 2.1822

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.1361, 14.0070, 7.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6990, 15.5921, 2.1822 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(139, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 105, 0)  
}
```

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(139, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6990, 15.5921, 2.1822 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(139, 105, 0) }
```


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

```
.border{ border-color:rgb(139, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6990, 15.5921, 2.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 105, 0) }
```

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

```
.background{ background-color: rgb(139,  
105, 0) }
```

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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