

Converting Colors

XYZ(19.5270, 12.4583, 0.0000)

Have a look what the booklet for
XYZ(19.5270, 12.4583, 0.0000)
contains.

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Color

**XYZ(19.7473, 12.5788,
1.3872)**

Conversions

Conversions Part 1

Format	Color
Hex	B13C00
RGB	177, 60, 0
RGB Percent	69%, 24%, 0%
CMY	0.3059, 0.7647, 1.0000
CMYK	0.00, 0.66, 1.00, 0.31
HSL	20°, 100%, 35%
HSV	20°, 100%, 69%
XYZ	19.7473, 12.5788, 1.3872
YIQ	88.1430, 88.9920, 6.1440

Conversions

Conversions Part 2

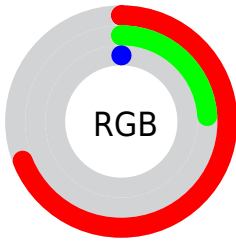
Format	Color
R _Y B	177, 91, 0
Decimal	11615232
CIE Lab	42.12, 45.61, 53.50
CIE LCh	42, 70.304, 49.549
Yxy	12.5788, 0.5857, 0.3731
Android (android.graphics.Color)	4289805312 (0xFFB13C00)
YUV	88.1430, -43.4545, 77.9276
Hunter-Lab	35.4666, 37.3197, 22.5076

Details

The XYZ color **19.7473, 12.5788, 1.3872** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.2966, 15.8959, 43.9093**, and the grayscale version is **9.3862, 9.8750, 10.7539**.

A 20% lighter version of the original color is **42.5299, 30.6114, 7.2814**, and **7.2025, 3.7130, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **19.7474, 12.5793, 1.3872**, and if you desaturate by 10%, it is **20.5365, 13.9867, 2.1770**.

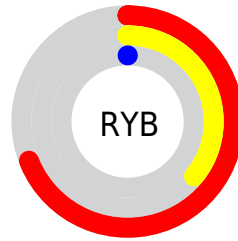
Distribution



Red (69%)

Green (24%)

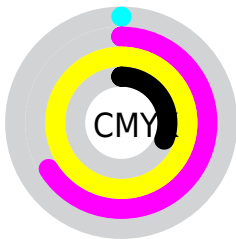
Blue (0%)



Red (69%)

Yellow (36%)

Blue (0%)

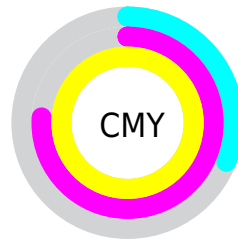


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7473, 12.5788, 1.3872 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 19.7473, 12.5788, 1.3872 by changing the saturation by 10% instead.


 19.7473, 12.5788,
1.3872


 19.7473, 12.5788,
1.3872


 243.4035,
208.2003, 111.9888


 12.3187, 7.1392,
0.1317


 42.5003, 30.5450,
7.2853


 7.0348, 3.5493,
0.0000


 58.5554, 43.8403,
12.9815

 3.5304, 1.4248,
0.0000

 78.2167, 60.5230,
21.0674

 1.4401, 0.2349,
0.0000

 101.8495, 80.9774,
31.9613


 0.2845, 0.0000,
0.0000


 129.8192,
105.5879, 46.0819


 0.0000, 0.0000,
0.0000


 162.4913,


134.7390, 63.8476


 200.2309,
168.8150, 85.6771


 19.7473, 12.5788,
1.3872


 19.7473, 12.5788,
1.3872

 19.7474, 12.5793,
1.3872

 20.5365, 13.9867,
2.1770

 21.5651, 15.7197,
3.5193

 22.8780, 17.8085,
5.6123

 24.4997, 20.2743,
8.5503

 26.4517, 23.1360,
12.4138

■ 28.7532, 26.4115,
17.2737

■ 31.4219, 30.1171,
23.1939

■ 34.4742, 34.2685,
30.2328

■ 37.9254, 38.8803,
38.4448

Harmonies

Analogous

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



24.1703, 12.5788, 6.1377



19.7473, 12.5788, 1.3872



13.8761, 12.5788, 0.2437

Triad

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



19.7473, 12.5788, 1.3872



4.5378, 12.5788, 9.1044



15.6499, 12.5788, 62.7779

Complementary

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



19.7473, 12.5788, 1.3872



14.2966, 15.8959, 43.9093

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.



10.2213, 12.5788, 66.1003



19.7473, 12.5788, 1.3872



4.7579, 12.5788, 25.7832

Square

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



19.7473, 12.5788, 1.3872



5.8157, 12.5788, 2.2150



6.5422, 12.5788, 49.4264



21.3671, 12.5788, 42.2033

Rectangle

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



19.7473, 12.5788, 1.3872



10.3626, 12.5788, 0.2303



6.5422, 12.5788, 49.4264



13.7044, 12.5788, 66.3257

Sweetspot

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



19.7476, 12.5795, 1.3874



56.0137, 53.5785, 40.9461



21.4014, 10.6551, 18.0685



11.6989, 11.0034, 7.8874



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.7476, 12.5795, 1.3874



35.1833, 22.1613, 2.4232



28.6430, 30.3703, 4.3525



8.7240, 8.9606, 8.9223



14.3590, 9.2166, 1.0222



0.5072, 0.4007, 0.0506

Inverse Universe

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



14.2966, 15.8959, 43.9093



25.3919, 28.0433, 78.5699



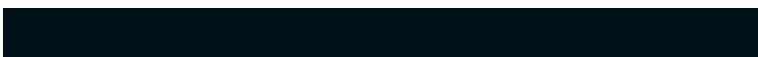
8.3876, 4.0779, 41.9396



8.4952, 9.1366, 10.8221



10.4162, 11.6328, 31.8333



0.3791, 0.4688, 1.0187

Previews

White Background



This preview shows how the XYZ color 19.7473, 12.5788, 1.3872 looks on a white background.

Color Contrast Check

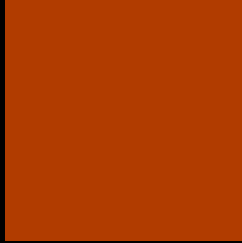
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7473, 12.5788, 1.3872 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 19.7473, 12.5788, 1.3872

Background



This preview shows how black text looks on a background with the XYZ color 19.7473, 12.5788, 1.3872.



This preview shows how white text looks on a background with the XYZ color 19.7473, 12.5788,

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

19.7473, 12.5788, 1.3872

Protanopia

11.5813, 12.8651, 2.4889

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

20.5637, 12.6091, 5.4876

Trichromacy



Original Color

19.7473, 12.5788, 1.3872

Protanomaly

13.5475, 11.9164, 1.9339

Deuteranomaly

14.6943, 12.0543, 1.5522

Tritanomaly

20.1731, 12.5312, 3.1892

Monochromacy



Original Color

19.7473, 12.5788, 1.3872

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.1839, 9.7274, 5.0295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7473, 12.5788, 1.3872 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(177, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 60, 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(177, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 60, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7473, 12.5788, 1.3872 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(177, 60, 0) }
```


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

```
.border{ border-color:rgb(177, 60, 0) }
```

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

Here you see how a box with a 4 pixel rgb(177, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.7473, 12.5788, 1.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 60, 0) }
```

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

```
.background{ background-color: rgb(177, 60,  
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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