

Converting Colors

XYZ(19.7154, 12.8973, 0.2299)

Have a look what the booklet for
XYZ(19.7154, 12.8973, 0.2299)
contains.

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Color

**XYZ(19.9649, 13.0139,
1.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	B14000
RGB	177, 64, 0
RGB Percent	69%, 25%, 0%
CMY	0.3059, 0.7490, 1.0000
CMYK	0.00, 0.64, 1.00, 0.31
HSL	22°, 100%, 35%
HSV	22°, 100%, 69%
XYZ	19.9649, 13.0139, 1.4597
YIQ	90.4910, 87.8920, 4.0520

Conversions

Conversions Part 2

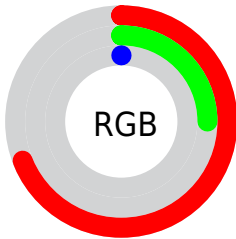
Format	Color
R_{YB}	177, 100, 0
Decimal	11616256
CIE _{Lab}	42.78, 43.84, 53.84
CIE _{LCh}	43, 69.432, 50.845
Yxy	13.0139, 0.5797, 0.3779
Android (android.graphics.Color)	4289806336 (0xFFB14000)
YUV	90.4910, -44.6121, 75.8684
Hunter-Lab	36.0748, 35.6565, 22.8533

Details

The XYZ color **19.9649, 13.0139, 1.4597** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.8405, 14.9837, 43.7574**, and the grayscale version is **9.9130, 10.4293, 11.3575**.

A 20% lighter version of the original color is **42.8944, 31.3016, 7.5224**, and **7.2350, 3.7781, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **19.9650, 13.0144, 1.4598**, and if you desaturate by 10%, it is **20.7751, 14.4636, 2.2564**.

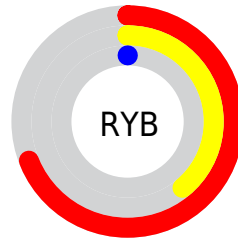
Distribution



Red (69%)

Green (25%)

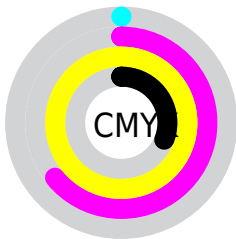
Blue (0%)



Red (69%)

Yellow (39%)

Blue (0%)

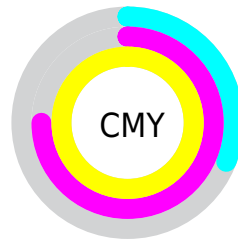


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9649, 13.0139, 1.4597 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 19.9649, 13.0139, 1.4597 by changing the saturation by 10% instead.


 19.9649, 13.0139,
1.4597


 19.9649, 13.0139,
1.4597

 244.5622,
211.0067, 113.3254


 12.4776, 7.4381,
0.1876


 42.8627, 31.3288,
7.5027


 7.1444, 3.7376,
0.0000


 59.0040, 44.8366,
13.3006

 3.5997, 1.5279,
0.0000

 78.7607, 61.7573,
21.5075

 1.4783, 0.3082,
0.0000

 102.4981, 82.4752,
32.5419


 0.3110, 0.0000,
0.0000


 130.5816,
107.3747, 46.8223


 0.0000, 0.0000,
0.0000


 163.3765,


136.8402, 64.7674


 201.2483,
171.2561, 86.7956


 19.9649, 13.0139,
1.4597


 19.9649, 13.0139,
1.4597


 19.9650, 13.0144,
1.4598

 20.7751, 14.4636,
2.2564

 21.8172, 16.2236,
3.6033

 23.1352, 18.3228,
5.6980

 24.7529, 20.7805,
8.6347

 26.6911, 23.6146,
12.4936

■ 28.9682, 26.8413,
17.3453

■ 31.6013, 30.4759,
23.2536

■ 34.6063, 34.5326,
30.2768

■ 37.9979, 39.0252,
38.4690

Harmonies

Analogous

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



24.5136, 13.0139, 6.1281



19.9649, 13.0139, 1.4597



14.0587, 13.0139, 0.3648

Triad

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



19.9649, 13.0139, 1.4597



4.8013, 13.0139, 10.0232



16.3520, 13.0139, 62.5280

Complementary

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



19.9649, 13.0139, 1.4597



13.8405, 14.9837, 43.7574

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.



10.8210, 13.0139, 66.7497



19.9649, 13.0139, 1.4597



5.0923, 13.0139, 27.2641

Square

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



19.9649, 13.0139, 1.4597



6.0411, 13.0139, 2.5890



6.9956, 13.0139, 50.8726



22.0485, 13.0139, 41.6588

Rectangle

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



19.9649, 13.0139, 1.4597



10.5530, 13.0139, 0.3897



6.9956, 13.0139, 50.8726



14.3829, 13.0139, 66.3314

Sweetspot

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



19.9652, 13.0147, 1.4599



56.3387, 54.2284, 41.0544



21.2289, 10.5861, 17.1595



11.7755, 11.1565, 7.9129



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.



19.9652, 13.0147, 1.4599



35.5653, 22.9253, 2.5505



29.1097, 31.3037, 4.5081



8.7396, 8.9916, 8.9275



14.5186, 9.5358, 1.0754



0.5134, 0.4133, 0.0527

Inverse Universe

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



13.8405, 14.9837, 43.7574



24.5706, 26.4007, 78.2961



8.3176, 3.9379, 41.9164



8.4791, 9.1043, 10.8167



10.0870, 10.9743, 31.7236



0.3704, 0.4513, 1.0158

Previews

White Background



This preview shows how the XYZ color 19.9649, 13.0139, 1.4597 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 19.9649, 13.0139, 1.4597 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 19.9649, 13.0139, 1.4597

Background



This preview shows how black text looks on a background with the XYZ color 19.9649, 13.0139, 1.4597.



This preview shows how white text looks on a background with the XYZ color 19.9649, 13.0139,

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

19.9649, 13.0139, 1.4597

Protanopia

11.9308, 13.1913, 2.4896

Deuteranopia

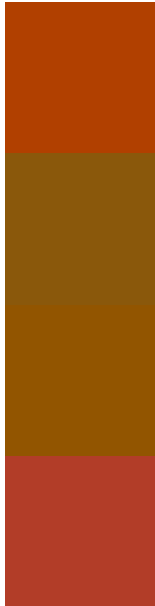
13.3280, 13.2165, 1.8486



Tritanopia

20.8732, 13.0556, 6.1225

Trichromacy



Original Color

19.9649, 13.0139, 1.4597

Protanomaly

14.0314, 12.4069, 1.9718

Deuteranomaly

15.1026, 12.6080, 1.6376

Tritanomaly

20.4118, 12.9557, 3.4324

Monochromacy



Original Color

19.9649, 13.0139, 1.4597

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.7070, 10.3178, 5.2454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9649, 13.0139, 1.4597 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, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 64, 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, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 64, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.9649, 13.0139, 1.4597 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, 64, 0) }
```


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

```
.border{ border-color:rgb(177, 64, 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, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 64, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.9649, 13.0139, 1.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 64, 0) }
```

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

```
.background{ background-color: rgb(177, 64,  
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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