

Converting Colors

XYZ(16.5369, 13.0068, 1.6396)

Have a look what the booklet for
XYZ(16.5369, 13.0068, 1.6396)
contains.

XYZ(16.5349, 13.0031, 1.6384)	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(16.5349, 13.0031,
1.6384)**

Conversions

Conversions Part 1

Format	Color
Hex	9B5200
RGB	155, 82, 0
RGB Percent	61%, 32%, 0%
CMY	0.3922, 0.6784, 1.0000
CMYK	0.00, 0.47, 1.00, 0.39
HSL	32°, 100%, 30%
HSV	32°, 100%, 61%
XYZ	16.5349, 13.0031, 1.6384
YIQ	94.4790, 69.8300, -10.0260

Conversions

Conversions Part 2

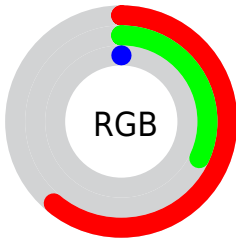
Format	Color
R_{YB}	138, 155, 0
Decimal	10179072
CIE Lab	42.77, 25.81, 51.95
CIE LCh	43, 58.006, 63.580
Yxy	13.0031, 0.5304, 0.4171
Android (android.graphics.Color)	4288369152 (0xFF9B5200)
YUV	94.4790, -46.5781, 53.0769
Hunter-Lab	36.0598, 18.7449, 22.5480

Details

The XYZ color **16.5349, 13.0031, 1.6384** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2990, 7.1317, 31.9494**, and the grayscale version is **10.8491, 11.4141, 12.4300**.

A 20% lighter version of the original color is **37.0393, 31.2551, 8.0836**, and **5.5308, 3.7435, 0.4311** is the 20% darker color. If you saturate the color by 10%, you get **16.5350, 13.0034, 1.6384**, and if you desaturate by 10%, it is **17.2051, 14.2000, 2.3051**.

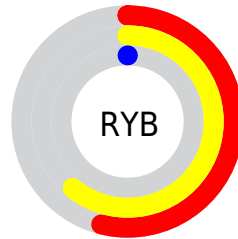
Distribution



Red (61%)

Green (32%)

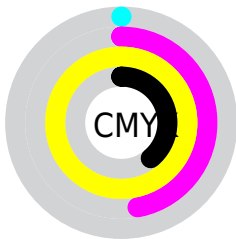
Blue (0%)



Red (54%)

Yellow (61%)

Blue (0%)

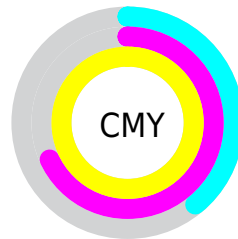


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (68%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5349, 13.0031, 1.6384 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 16.5349, 13.0031, 1.6384 by changing the saturation by 10% instead.


 16.5349, 13.0031,
1.6384


 16.5349, 13.0031,
1.6384


 225.6866,
210.9375, 116.4820


 9.9967, 7.4307,
0.3180


 37.0744, 31.3094,
8.0263

 5.4590, 3.7329,
0.0000

 51.8063, 44.8120,
14.0646


 2.5565, 1.5253,
0.0000

 70.0002, 61.7268,
22.5571

 0.9238, 0.3064,
0.0000

 92.0214, 82.4382,
33.9223


 0.0000, 0.0000,
0.0000


 118.2353,
107.3306, 48.5789


 149.0072,


136.7883, 66.9454


 184.7025,
171.1958, 89.4402


 16.5349, 13.0031,
1.6384


 16.5349, 13.0031,
1.6384


 16.5350, 13.0034,
1.6384

 17.2051, 14.2000,
2.3051

 18.0031, 15.5439,
3.3481

 18.9613, 17.0511,
4.9291

 20.0938, 18.7297,
7.1143

 21.4128, 20.5872,
9.9602

■ 22.9292, 22.6303,
13.5166

■ 24.6529, 24.8653,
17.8288

■ 26.5930, 27.2979,
22.9378

■ 28.7580, 29.9340,
28.8820

Harmonies

Analogous

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



20.8679, 13.0031, 4.5181



16.5349, 13.0031, 1.6384



11.8365, 13.0031, 1.1150

Triad

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



16.5349, 13.0031, 1.6384



5.6743, 13.0031, 15.7313



17.6750, 13.0031, 45.6143

Complementary

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



16.5349, 13.0031, 1.6384



8.2990, 7.1317, 31.9494

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.



12.8968, 13.0031, 54.9339



16.5349, 13.0031, 1.6384



6.5492, 13.0031, 32.3153

Square

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



16.5349, 13.0031, 1.6384



6.2081, 13.0031, 5.8607



8.9531, 13.0031, 49.0070



21.6286, 13.0031, 27.9677

Rectangle

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



16.5349, 13.0031, 1.6384



9.2643, 13.0031, 1.5204



8.9531, 13.0031, 49.0070



16.0761, 13.0031, 50.1819

Sweetspot

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



16.5352, 13.0038, 1.6386



43.9586, 44.2860, 31.4363



14.7848, 7.4755, 7.3058



9.6672, 9.6606, 6.3988



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.5352, 13.0038, 1.6386



29.4222, 22.9072, 2.8708



24.7483, 30.1583, 4.5169



6.4657, 6.7365, 6.5653



13.3195, 10.5213, 1.3288



0.2355, 0.2301, 0.0320

Inverse Universe

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



8.2990, 7.1317, 31.9494



14.6765, 12.3999, 57.1562



5.9488, 2.3834, 31.1568



6.1123, 6.4820, 7.8580



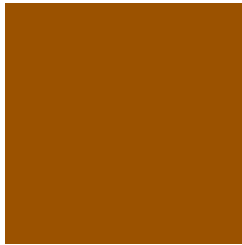
6.7033, 5.8033, 25.6745



0.1362, 0.1588, 0.3958

Previews

White Background



This preview shows how the XYZ color 16.5349, 13.0031, 1.6384 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

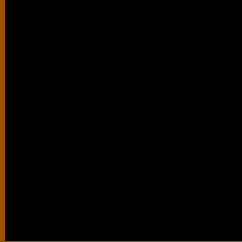
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5349, 13.0031, 1.6384

Background



This preview shows how black text looks on a background with the XYZ color 16.5349, 13.0031, 1.6384.



This preview shows how white text looks on a background with the XYZ color 16.5349, 13.0031,

1.6384.

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

16.5349, 13.0031, 1.6384

Protanopia

11.8942, 13.1766, 2.2972

Deuteranopia

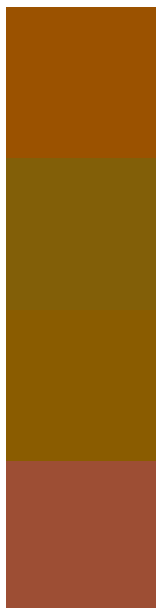
13.3280, 13.2165, 1.8486



Tritanopia

18.2080, 13.0472, 9.5413

Trichromacy



Original Color

16.5349, 13.0031, 1.6384

Protanomaly

13.3420, 12.9478, 2.0257

Deuteranomaly

14.3084, 13.0576, 1.7662

Tritanomaly

17.2489, 12.8648, 4.8229

Monochromacy



Original Color

16.5349, 13.0031, 1.6384

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.6742, 11.3516, 5.8507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5349, 13.0031, 1.6384 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(155, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 82, 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(155, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 82, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5349, 13.0031, 1.6384 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(155, 82, 0) }
```


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

```
.border{ border-color:rgb(155, 82, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 82, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5349, 13.0031, 1.6384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 82, 0) }
```

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

```
.background{ background-color: rgb(155, 82,  
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](#).

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