

Converting Colors

XYZ(15.9977, 13.4992, 2.9642)

Have a look what the booklet for
XYZ(15.9977, 13.4992, 2.9642)
contains.

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Color

**XYZ(16.0195, 13.5344,
2.9964)**

Conversions

Conversions Part 1

Format	Color
Hex	94591E
RGB	148, 89, 30
RGB Percent	58%, 35%, 12%
CMY	0.4196, 0.6510, 0.8823
CMYK	0.00, 0.40, 0.80, 0.42
HSL	30°, 66%, 35%
HSV	30°, 80%, 58%
XYZ	16.0195, 13.5344, 2.9964
YIQ	99.9150, 54.1030, -5.8410

Conversions

Conversions Part 2

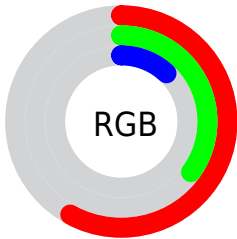
Format	Color
R_{YB}	148, 148, 30
Decimal	9722142
CIE _{Lab}	43.56, 19.48, 42.30
CIE _{LCh}	44, 46.571, 65.280
Yxy	13.5344, 0.4921, 0.4158
Android (android.graphics.Color)	4287912222 (0xFF94591E)
YUV	99.9150, -34.4681, 42.1705
Hunter-Lab	36.7891, 13.3453, 20.9233

Details

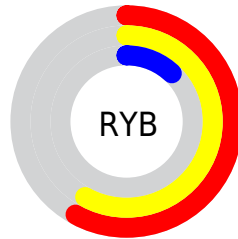
The XYZ color **16.0195, 13.5344, 2.9964** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.4529, 9.5585, 29.3636**, and the grayscale version is **12.1673, 12.8009, 13.9402**.

A 20% lighter version of the original color is **36.0614, 32.1371, 11.5102**, and **5.2775, 4.0031, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **15.2879, 12.3061, 2.0291**, and if you desaturate by 10%, it is **16.9024, 14.9235, 4.4524**.

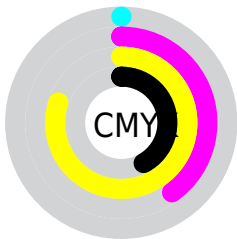
Distribution



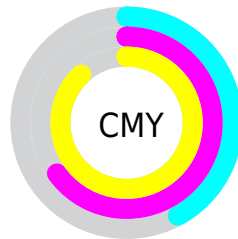
- Red (58%)
- Green (35%)
- Blue (12%)



- Red (58%)
- Yellow (58%)
- Blue (12%)



- Cyan (0%)
- Magenta (40%)
- Yellow (80%)
- Black (42%)



- Cyan (42%)
- Magenta (65%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0195, 13.5344, 2.9964 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 16.0195, 13.5344, 2.9964 by changing the saturation by 10% instead.

■ 16.0195, 13.5344,
2.9964

■ 16.0195, 13.5344,
2.9964

222.7249,
214.3147, 136.3148

■ 9.6289, 7.7976,
1.0928

■ 36.1892, 32.2606,
11.6196

■ 5.2140, 3.9657,
0.0000

■ 50.6991, 46.0187,
19.1762

■ 2.4094, 1.6544,
0.0000

■ 68.6460, 63.2194,
29.4542

■ 0.8498, 0.3939,
0.0000

■ 90.3954, 84.2470,
42.8723

■ 0.0000, 0.0000,
0.0000

■ 116.3126,
109.4859, 59.8488

■ 146.7631,

139.3206, 80.8023

182.1120,
174.1354, 106.1515

16.0195, 13.5344,
2.9964

16.0195, 13.5344,
2.9964

15.2879, 12.3061,
2.0291

16.9024, 14.9235,
4.4524

14.6774, 11.2218,
1.4040

17.9484, 16.4790,
6.4548

14.6617, 11.1940,
1.3879

19.1689, 18.2090,
9.0542

20.5740, 20.1198,
12.2949

22.1726, 22.2177,
16.2171

■ 23.9732, 24.5083,
20.8576

■ 25.9837, 26.9972,
26.2505

■ 28.2113, 29.6896,
32.4279

■ 30.6632, 32.5905,
39.4198

Harmonies

Analogous

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



19.4675, 13.5344, 5.9247



16.0195, 13.5344, 2.9964



12.2305, 13.5344, 2.4304

Triad

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



16.0195, 13.5344, 2.9964



7.0762, 13.5344, 16.6598



17.3461, 13.5344, 37.9126

Complementary

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



16.0195, 13.5344, 2.9964



9.4529, 9.5585, 29.3636

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.



13.5191, 13.5344, 45.0759



16.0195, 13.5344, 2.9964



7.9534, 13.5344, 29.6157

Square

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



16.0195, 13.5344, 2.9964



7.4949, 13.5344, 7.8416



10.1528, 13.5344, 41.4834



20.3291, 13.5344, 24.8123

Rectangle

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



16.0195, 13.5344, 2.9964



10.0999, 13.5344, 3.0251



10.1528, 13.5344, 41.4834



16.0914, 13.5344, 41.3185

Sweetspot

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



16.0198, 13.5351, 2.9966



40.7450, 41.2806, 32.7502



14.4802, 7.9458, 10.2219



9.0689, 9.1267, 6.8812



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.0198, 13.5351, 2.9966



26.0958, 20.1358, 2.7309



23.0369, 27.5693, 5.3357



6.0260, 6.2658, 6.1323



12.5508, 9.6160, 1.1946



0.1830, 0.1765, 0.0244

Inverse Universe

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



9.4529, 9.5585, 29.3636



14.0314, 12.8302, 51.1715



6.3451, 3.3428, 28.3277



5.7247, 6.0833, 7.3422



6.6844, 6.0636, 24.7491



0.1112, 0.1331, 0.3127

Previews

White Background



This preview shows how the XYZ color 16.0195, 13.5344, 2.9964 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 16.0195, 13.5344, 2.9964 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 16.0195, 13.5344, 2.9964

Background



This preview shows how black text looks on a background with the XYZ color 16.0195, 13.5344, 2.9964.



This preview shows how white text looks on a background with the XYZ color 16.0195, 13.5344,

2.9964.

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

16.0195, 13.5344, 2.9964

Protanopia

12.4415, 13.7291, 3.5076

Deuteranopia

13.7601, 13.5558, 2.8686



Tritanopia

17.6589, 13.4871, 11.1237

Trichromacy



Original Color

16.0195, 13.5344, 2.9964

Protanomaly

13.6384, 13.6227, 3.3495

Deuteranomaly

14.6066, 13.5819, 2.8886

Tritanomaly

16.8696, 13.3984, 7.1659

Monochromacy



Original Color

16.0195, 13.5344, 2.9964

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.7890, 12.6556, 8.4253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0195, 13.5344, 2.9964 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(148, 89, 30)` looks like.

```
.text, #text, p{  
    color:rgb(148, 89, 30)  
}
```

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(148, 89, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 89, 30) }
```

Border

The CSS property to change the border of an element to XYZ 16.0195, 13.5344, 2.9964 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(148, 89, 30) }
```


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

```
.border{ border-color:rgb(148, 89, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 89, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 89, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 89, 30);  
box-shadow:4px 4px 4px 4px rgb(148, 89,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0195, 13.5344, 2.9964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 89, 30) }
```

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

```
.background{ background-color: rgb(148, 89,  
30) }
```

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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