

Converting Colors

XYZ(16.0749, 9.9421, 2.6887)

Have a look what the booklet for
XYZ(16.0749, 9.9421, 2.6887)
contains.

XYZ(16.1419, 9.9796, 2.6656)	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(16.1419, 9.9796,
2.6656)**

Conversions

Conversions Part 1

Format	Color
Hex	A13223
RGB	161, 50, 35
RGB Percent	63%, 20%, 14%
CMY	0.3686, 0.8039, 0.8627
CMYK	0.00, 0.69, 0.78, 0.37
HSL	7°, 64%, 38%
HSV	7°, 78%, 63%
XYZ	16.1419, 9.9796, 2.6656
YIQ	81.4790, 70.9710, 18.8670

Conversions

Conversions Part 2

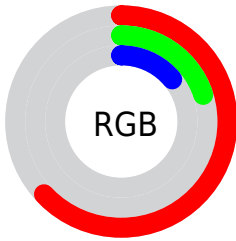
Format	Color
RYB	161, 52, 35
Decimal	10564131
CIELab	37.81, 44.97, 34.70
CIElCh	38, 56.798, 37.651
Yxy	9.9796, 0.5607, 0.3467
Android (android.graphics.Color)	4288754211 (0xFFA13223)
YUV	81.4790, -22.9141, 69.7399
Hunter-Lab	31.5905, 35.9253, 17.1105

Details

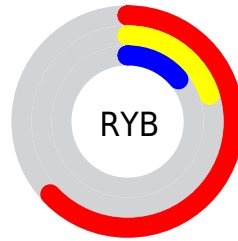
The XYZ color **16.1419, 9.9796, 2.6656** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.4039, 23.4861, 37.3339**, and the grayscale version is **7.9508, 8.3649, 9.1094**.

A 20% lighter version of the original color is **36.4597, 25.8242, 10.8475**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.4401, 8.8749, 1.5109**, and if you desaturate by 10%, it is **17.1417, 11.5051, 4.4609**.

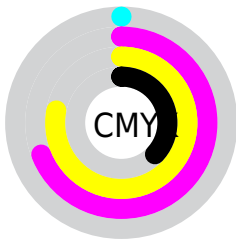
Distribution



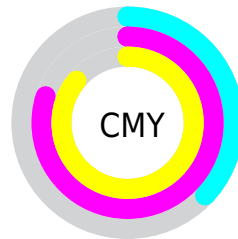
- Red (63%)
- Green (20%)
- Blue (14%)



- Red (63%)
- Yellow (20%)
- Blue (14%)



- Cyan (0%)
- Magenta (69%)
- Yellow (78%)
- Black (37%)





- Cyan (37%)
- Magenta (80%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1419, 9.9796, 2.6656 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 16.1419, 9.9796, 2.6656 by changing the saturation by 10% instead.


 16.1419, 9.9796,
2.6656


 16.1419, 9.9796,
2.6656

223.4316,
190.5264, 131.9805


 9.7161, 5.3854,
0.9260


 36.3998, 25.7571,
10.7915


 5.2720, 2.4751,
0.0000

 50.9627, 37.7093,
18.0154


 2.4441, 0.8641,
0.0000

 68.9686, 52.8829,
27.9047

 0.8671, 0.0000,
0.0000

 90.7829, 71.6623,
40.8779

 0.0000, 0.0000,
0.0000

 116.7710, 94.4320,
57.3535

 147.2983,

121.5763, 77.7501

182.7300,
153.4796, 102.4863

16.1419, 9.9796,
2.6656

16.1419, 9.9796,
2.6656

15.4401, 8.8749,
1.5109

17.1417, 11.5051,
4.4609

14.9933, 8.1434,
0.8620

18.4679, 13.4865,
6.9716

14.9337, 8.0487,
0.7665

20.1462, 15.9569,
10.2628

22.1995, 18.9462,
14.3920

24.6488, 22.4815,
19.4113

■ 27.5136, 26.5884,
25.3687

■ 30.8119, 31.2906,
32.3085

■ 34.5609, 36.6106,
40.2725

■ 38.7766, 42.5696,
49.2998

Harmonies

Analogous

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



18.2043, 9.9796, 8.4194



16.1419, 9.9796, 2.6656



12.3896, 9.9796, 0.8844

Triad

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



16.1419, 9.9796, 2.6656



4.3896, 9.9796, 4.9067



10.4438, 9.9796, 45.0778

Complementary

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



16.1419, 9.9796, 2.6656



17.4039, 23.4861, 37.3339

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.



7.0745, 9.9796, 41.7515



16.1419, 9.9796, 2.6656



4.1192, 9.9796, 13.7460

Square

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



16.1419, 9.9796, 2.6656



5.8334, 9.9796, 1.4864



4.9684, 9.9796, 28.1860



14.4109, 9.9796, 35.5657

Rectangle

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



16.1419, 9.9796, 2.6656



9.7738, 9.9796, 0.5895



4.9684, 9.9796, 28.1860



9.2026, 9.9796, 45.4946

Sweetspot

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



16.1421, 9.9802, 2.6658



46.5266, 43.6837, 39.7010



20.5105, 10.8638, 28.3324



9.8313, 9.0456, 7.9341



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.1421, 9.9802, 2.6658



27.0221, 14.8569, 1.8090



20.8729, 19.4418, 4.2427



7.1386, 7.2156, 7.3966



11.9441, 6.4622, 0.6178



0.2697, 0.1733, 0.0192

Inverse Universe

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



17.4039, 23.4861, 37.3339



29.1741, 39.6781, 66.5075



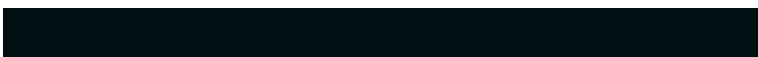
10.2424, 9.1631, 34.9468



7.2038, 7.8666, 9.0418



12.8621, 17.5036, 29.6304



0.2892, 0.4056, 0.6289

Previews

White Background



This preview shows how the XYZ color 16.1419, 9.9796, 2.6656 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 ✓ Pass

Black Background



This preview shows how the XYZ color 16.1419, 9.9796, 2.6656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

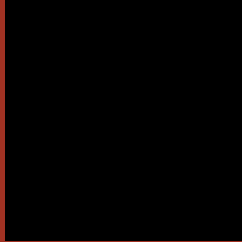
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1419, 9.9796, 2.6656

Background



This preview shows how black text looks on a background with the XYZ color 16.1419, 9.9796, 2.6656.



This preview shows how white text looks on a background with the XYZ color 16.1419, 9.9796,

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

16.1419, 9.9796, 2.6656

Protanopia

9.3148, 10.1702, 4.1614

Deuteranopia

10.2450, 10.0823, 2.3834



Tritanopia

16.3306, 9.9213, 4.0719

Trichromacy



Original Color

16.1419, 9.9796, 2.6656

Protanomaly

10.9782, 9.3441, 3.5105

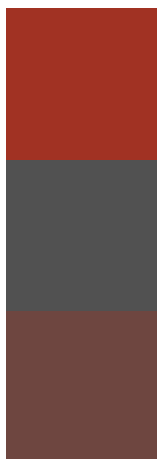
Deuteranomaly

11.7451, 9.4693, 2.3711

Tritanomaly

16.2699, 9.9632, 3.5482

Monochromacy



Original Color

16.1419, 9.9796, 2.6656

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.5460, 8.0655, 5.9042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1419, 9.9796, 2.6656 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(161, 50, 35)` looks like.

```
.text, #text, p{  
    color:rgb(161, 50, 35)  
}
```

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(161, 50, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 50, 35) }
```

Border

The CSS property to change the border of an element to XYZ 16.1419, 9.9796, 2.6656 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(161, 50, 35) }
```


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

```
.border{ border-color:rgb(161, 50, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 50, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 50, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 50, 35);  
box-shadow:4px 4px 4px 4px rgb(161, 50,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1419, 9.9796, 2.6656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 50, 35) }
```

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

```
.background{ background-color: rgb(161, 50,  
35) }
```

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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