

Converting Colors

XYZ(16.4185, 9.5500, 2.8117)

Have a look what the booklet for
XYZ(16.4185, 9.5500, 2.8117)
contains.

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Color

**XYZ(16.4185, 9.5500,
2.8117)**

Conversions

Conversions Part 1

Format	Color
Hex	A42826
RGB	164, 40, 38
RGB Percent	64%, 16%, 15%
CMY	0.3569, 0.8431, 0.8510
CMYK	0.00, 0.76, 0.77, 0.36
HSL	1°, 62%, 40%
HSV	1°, 77%, 64%
XYZ	16.4185, 9.5500, 2.8117
YIQ	76.8480, 74.5460, 25.6660

Conversions

Conversions Part 2

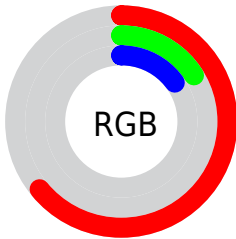
Format	Color
R_{YB}	164, 40, 38
Decimal	10758182
CIE _{Lab}	37.02, 49.92, 32.30
CIE _{LCh}	37, 59.459, 32.907
Yxy	9.5500, 0.5705, 0.3318
Android (android.graphics.Color)	4288948262 (0xFFA42826)
YUV	76.8480, -19.1521, 76.4323
Hunter-Lab	30.9031, 40.7549, 16.2377

Details

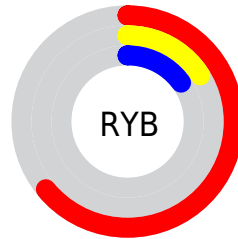
The XYZ color **16.4185, 9.5500, 2.8117** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.4190, 28.9302, 39.6297**, and the grayscale version is **7.0512, 7.4184, 8.0786**.

A 20% lighter version of the original color is **36.7438, 24.8321, 11.2440**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.7747, 8.5968, 1.5669**, and if you desaturate by 10%, it is **17.4064, 11.0052, 4.7463**.

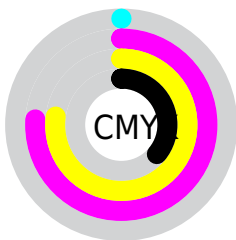
Distribution



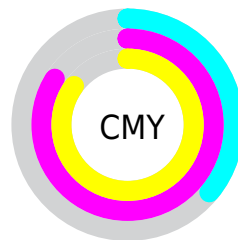
- Red (64%)
- Green (16%)
- Blue (15%)



- Red (64%)
- Yellow (16%)
- Blue (15%)



- Cyan (0%)
- Magenta (76%)
- Yellow (77%)
- Black (36%)



- Cyan (36%)
- Magenta (84%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4185, 9.5500, 2.8117 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 16.4185, 9.5500, 2.8117 by changing the saturation by 10% instead.

■ 16.4185, 9.5500,
2.8117

■ 16.4185, 9.5500,
2.8117

225.0209,
187.4295, 133.9250

■ 9.9135, 5.1016,
0.9993

■ 36.8748, 24.9456,
11.1602

■ 5.4035, 2.3070,
0.0000

■ 51.5569, 36.6616,
18.5333

■ 2.5231, 0.7774,
0.0000

■ 69.6953, 51.5689,
28.5971

■ 0.9069, 0.0000,
0.0000

■ 91.6555, 70.0520,
41.7701

■ 0.0000, 0.0000,
0.0000

■ 117.8028, 92.4952,
58.4709

■ 148.5026,

119.2829, 79.1179

184.1201,
150.7996, 104.1298

16.4185, 9.5500,
2.8117

16.4185, 9.5500,
2.8117

15.7747, 8.5968,
1.5669

17.4064, 11.0052,
4.7463

15.4222, 8.0717,
0.8945

18.7766, 13.0166,
7.4505

15.3381, 7.9492,
0.7259

20.5629, 15.6332,
10.9935

22.7954, 18.8982,
15.4368

25.5011, 22.8509,
20.8360

■ 28.7052, 27.5274,
27.2424

■ 32.4308, 32.9613,
34.7034

■ 36.6998, 39.1842,
43.2638

■ 41.5328, 46.2258,
52.9653

Harmonies

Analogous

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



18.1500, 9.5500, 9.4029



16.4185, 9.5500, 2.8117



12.7009, 9.5500, 0.7619

Triad

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



16.4185, 9.5500, 2.8117



4.1179, 9.5500, 3.6247



9.4410, 9.5500, 46.6741

Complementary

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



16.4185, 9.5500, 2.8117



20.4190, 28.9302, 39.6297

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.



6.2177, 9.5500, 40.9393



16.4185, 9.5500, 2.8117



3.6808, 9.5500, 11.4616

Square

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



16.4185, 9.5500, 2.8117



5.7465, 9.5500, 0.9727



4.3337, 9.5500, 25.7748



13.4955, 9.5500, 38.4269

Rectangle

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



16.4185, 9.5500, 2.8117



9.9802, 9.5500, 0.3375



4.3337, 9.5500, 25.7748



8.2300, 9.5500, 46.3235

Sweetspot

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



16.4187, 9.5506, 2.8118



48.1607, 44.2109, 41.5610



22.7037, 11.9591, 36.2335



10.1143, 9.0601, 8.2576



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.4187, 9.5506, 2.8118



28.1473, 14.8773, 1.9240



20.3133, 17.3398, 4.1100



7.0824, 7.1032, 7.3779



11.7640, 6.1019, 0.5577



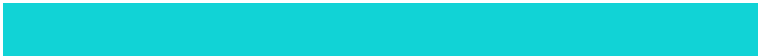
0.2497, 0.1333, 0.0126

Inverse Universe

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



20.4190, 28.9302, 39.6297



35.7058, 51.6038, 71.8310



12.1538, 12.3998, 36.8746



7.2664, 7.9918, 9.0627



14.9654, 21.7102, 30.3315



0.3173, 0.4618, 0.6383

Previews

White Background



This preview shows how the XYZ color 16.4185, 9.5500, 2.8117 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 16.4185, 9.5500, 2.8117

Background



This preview shows how black text looks on a background with the XYZ color 16.4185, 9.5500, 2.8117.



This preview shows how white text looks on a background with the XYZ color 16.4185, 9.5500,

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

16.4185, 9.5500, 2.8117

Protanopia

9.0621, 9.7779, 4.7779

Deuteranopia

9.9476, 9.8089, 2.5314



Tritanopia

16.4689, 9.5702, 3.0770

Trichromacy



Original Color

16.4185, 9.5500, 2.8117

Protanomaly

10.6719, 8.7848, 3.9295

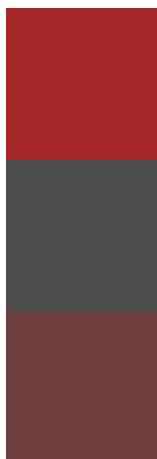
Deuteranomaly

11.5338, 8.9844, 2.4928

Tritanomaly

16.4516, 9.5633, 2.9863

Monochromacy



Original Color

16.4185, 9.5500, 2.8117

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.0373, 7.2769, 5.6309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4185, 9.5500, 2.8117 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(164, 40, 38)` looks like.

```
.text, #text, p{  
    color:rgb(164, 40, 38)  
}
```

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(164, 40, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 40, 38) }
```

Border

The CSS property to change the border of an element to XYZ 16.4185, 9.5500, 2.8117 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(164, 40, 38) }
```


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

```
.border{ border-color:rgb(164, 40, 38) }
```

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

Here you see how a box with a 4 pixel rgb(164, 40, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 40, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 40, 38);  
box-shadow:4px 4px 4px 4px rgb(164, 40,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4185, 9.5500, 2.8117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 40, 38) }
```

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

```
.background{ background-color: rgb(164, 40,  
38) }
```

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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