

Converting Colors

XYZ(16.3490, 12.6285, 9.1881)

Have a look what the booklet for
XYZ(16.3490, 12.6285, 9.1881)
contains.

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Color

**XYZ(16.4230, 12.6671,
9.1688)**

Conversions

Conversions Part 1

Format	Color
Hex	935150
RGB	147, 81, 80
RGB Percent	58%, 32%, 31%
CMY	0.4235, 0.6823, 0.6863
CMYK	0.00, 0.45, 0.46, 0.42
HSL	1°, 30%, 45%
HSV	1°, 46%, 58%
XYZ	16.4230, 12.6671, 9.1688
YIQ	100.6200, 39.6570, 13.6810

Conversions

Conversions Part 2

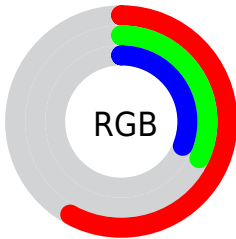
Format	Color
R_{YB}	147, 81, 80
Decimal	9654608
CIE Lab	42.26, 27.38, 12.78
CIE LCh	42, 30.216, 25.023
Yxy	12.6671, 0.4293, 0.3311
Android (android.graphics.Color)	4287844688 (0xFF935150)
YUV	100.6200, -10.1657, 40.6753
Hunter-Lab	35.5909, 20.0828, 9.6395




Details

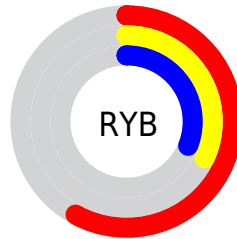
The XYZ color **16.4230, 12.6671, 9.1688** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.8530, 24.3685, 31.3136**, and the grayscale version is **12.2903, 12.9303, 14.0811**.




A 20% lighter version of the original color is **36.8423, 30.7840, 24.7690**, and **5.4047, 3.5986, 2.0788** is the 20% darker color. If you saturate the color by 10%, you get **14.9745, 10.5462, 6.2932**, and if you desaturate by 10%, it is **18.2205, 15.2957, 12.7473**.

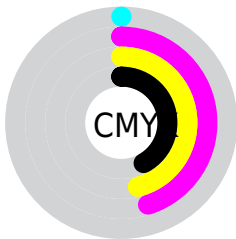
Distribution







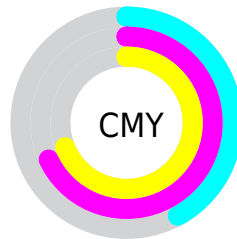
-  Red (58%)
-  Green (32%)
-  Blue (31%)






-  Red (58%)
-  Yellow (32%)
-  Blue (31%)



-  Cyan (0%)
-  Magenta (45%)
-  Yellow (46%)
-  Black (42%)



-  Cyan (42%)
-  Magenta (68%)
-  Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4230, 12.6671, 9.1688 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 16.4230, 12.6671, 9.1688 by changing the saturation by 10% instead.

■ 16.4230, 12.6671,
9.1688

■ 16.4230, 12.6671,
9.1688

225.0466,
208.7730, 194.8964

■ 9.9167, 7.1997,
4.7531

■ 36.8826, 30.7044,
24.8028

■ 5.4056, 3.5873,
2.0470

■ 51.5665, 44.0431,
36.8582

■ 2.5243, 1.4455,
0.5839

■ 69.7071, 60.7744,
52.2973

■ 0.9075, 0.2499,
0.0000

■ 91.6697, 81.2826,
71.5385

■ 0.0000, 0.0000,
0.0000

■ 117.8195,
105.9522, 95.0005

148.5221,

135.1675, 123.1018

184.1427,
169.3130, 156.2609

■ 16.4230, 12.6671,
9.1688

■ 16.4230, 12.6671,
9.1688

■ 14.9745, 10.5462,
6.2932

■ 18.2205, 15.2957,
12.7473

■ 13.8513, 8.8985,
4.0735

■ 20.3865, 18.4599,
17.0699

■ 13.0288, 7.6884,
2.4584

■ 22.9404, 22.1875,
22.1756


■ 12.4779, 6.8741,
1.3884


■ 25.8997, 26.5043,
28.1005


■ 12.1616, 6.4041,
0.7818


■ 29.2811, 31.4341,
34.8783

 12.0565, 6.2508,
0.5711

 33.1001, 36.9996,
42.5408

 37.3717, 43.2223,
51.1184

 42.1100, 50.1226,
60.6399

 47.3285, 57.7202,
71.1328

Harmonies

Analogous

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



16.9093, 12.6671, 14.9005



16.4230, 12.6671, 9.1688



14.7070, 12.6671, 5.9006

Triad

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



16.4230, 12.6671, 9.1688



8.8180, 12.6671, 7.8167



11.6666, 12.6671, 30.2803

Complementary

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



16.4230, 12.6671, 9.1688



18.8530, 24.3685, 31.3136

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.



9.7162, 12.6671, 26.7121



16.4230, 12.6671, 9.1688



8.2082, 12.6671, 12.7405

Square

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



16.4230, 12.6671, 9.1688



10.2933, 12.6671, 5.3085



8.5152, 12.6671, 19.7558



13.9733, 12.6671, 28.4251

Rectangle

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



16.4230, 12.6671, 9.1688



13.1982, 12.6671, 4.9237



8.5152, 12.6671, 19.7558



10.9511, 12.6671, 29.6497

Sweetspot

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



16.4233, 12.6677, 9.1690



41.7254, 40.6720, 40.9986



20.1677, 14.0470, 29.2520



9.3012, 8.9579, 8.9112



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.



16.4233, 12.6677, 9.1690



26.6912, 18.7020, 11.0204



19.4416, 18.7044, 10.1751



5.8074, 5.8285, 6.0594



10.4541, 5.4225, 0.4957



0.1293, 0.0691, 0.0065

Inverse Universe

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



18.8530, 24.3685, 31.3136



31.6179, 42.4398, 55.9598



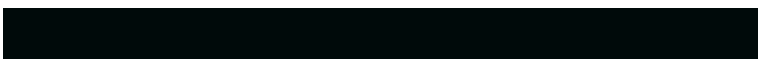
14.5358, 15.7342, 29.8745



5.9567, 6.5475, 7.4196



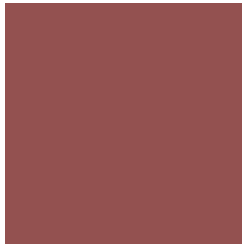
13.3188, 19.3324, 26.9606



0.1649, 0.2405, 0.3306

Previews

White Background



This preview shows how the XYZ color 16.4230, 12.6671, 9.1688 looks on a white background.

Color Contrast Check

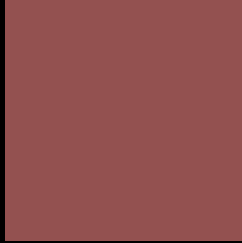
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4230, 12.6671, 9.1688 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 16.4230, 12.6671, 9.1688

Background



This preview shows how black text looks on a background with the XYZ color 16.4230, 12.6671, 9.1688.

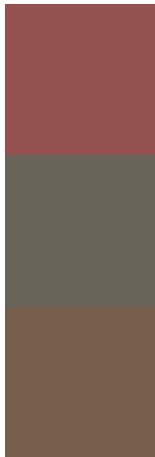


This preview shows how white text looks on a background with the XYZ color 16.4230, 12.6671,

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

16.4230, 12.6671, 9.1688

Protanopia

12.1860, 12.8389, 11.2871

Deuteranopia

12.9936, 12.7531, 8.7979



Tritanopia

16.5810, 12.6123, 10.3646

Trichromacy



Original Color

16.4230, 12.6671, 9.1688

Protanomaly

13.3398, 12.4937, 10.5125

Deuteranomaly

14.1695, 12.6994, 8.9121

Tritanomaly

16.5015, 12.5805, 9.9461

Monochromacy



Original Color

16.4230, 12.6671, 9.1688

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.4497, 12.6473, 12.0882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4230, 12.6671, 9.1688 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(147, 81, 80)` looks like.

```
.text, #text, p{  
    color:rgb(147, 81, 80)  
}
```

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(147, 81, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 81, 80) }
```

Border

The CSS property to change the border of an element to XYZ 16.4230, 12.6671, 9.1688 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(147, 81, 80) }
```


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

```
.border{ border-color:rgb(147, 81, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 81, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 81, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 81, 80);  
box-shadow:4px 4px 4px 4px rgb(147, 81,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4230, 12.6671, 9.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 81, 80) }
```

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

```
.background{ background-color: rgb(147, 81,  
80) }
```

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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