

Converting Colors

XYZ(16.5419, 9.3503, 16.4067)

Have a look what the booklet for
XYZ(16.5419, 9.3503, 16.4067)
contains.

XYZ(16.4801, 9.3350, 16.2625)	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(16.4801, 9.3350,
16.2625)**

Conversions

Conversions Part 1

Format	Color
Hex	972970
RGB	151, 41, 112
RGB Percent	59%, 16%, 44%
CMY	0.4078, 0.8392, 0.5608
CMYK	0.00, 0.73, 0.26, 0.41
HSL	321°, 57%, 38%
HSV	321°, 73%, 59%
XYZ	16.4801, 9.3350, 16.2625
YIQ	81.9840, 42.7690, 45.4010

Conversions

Conversions Part 2

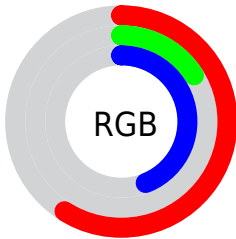
Format	Color
R_{YB}	151, 41, 112
Decimal	9906544
CIE _{Lab}	36.62, 51.99, -15.39
CIE _{LCh}	37, 54.224, 343.514
Yxy	9.3350, 0.3917, 0.2219
Android (android.graphics.Color)	4288096624 (0xFF972970)
YUV	81.9840, 14.7979, 60.5270
Hunter-Lab	30.5532, 42.8129, -10.1709

Details

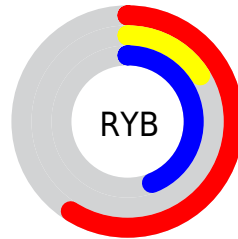
The XYZ color **16.4801, 9.3350, 16.2625** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.4296, 23.1842, 11.3577**, and the grayscale version is **7.9826, 8.3983, 9.1458**.

A 20% lighter version of the original color is **36.8961, 24.4560, 37.8978**, and **5.7493, 2.8570, 5.0989** is the 20% darker color. If you saturate the color by 10%, you get **15.7652, 8.3681, 14.5969**, and if you desaturate by 10%, it is **17.4137, 10.7107, 18.0886**.

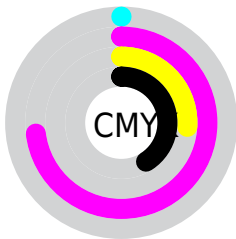
Distribution



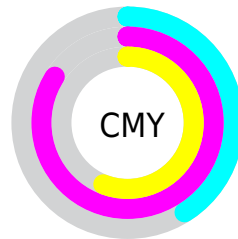
- Red (59%)
- Green (16%)
- Blue (44%)



- Red (59%)
- Yellow (16%)
- Blue (44%)



- Cyan (0%)
- Magenta (73%)
- Yellow (26%)
- Black (41%)





- Cyan (41%)
- Magenta (84%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4801, 9.3350, 16.2625 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 16.4801, 9.3350, 16.2625 by changing the saturation by 10% instead.


 16.4801, 9.3350,
16.2625


 16.4801, 9.3350,
16.2625


225.3734,
185.8577, 242.7841


 9.9575, 4.9603,
9.5537


 36.9805, 24.5370,
37.8264


 5.4328, 2.2240,
5.0024

 51.6889, 36.1330,
53.5187


 2.5407, 0.7330,
2.1899

 69.8567, 50.9050,
73.0425

 0.9158, 0.0000,
0.6685

 91.8493, 69.2373,
96.8164

 0.0000, 0.0000,
0.0000

 118.0318, 91.5144,
125.2590

 148.7698,

118.1205, 158.7888

184.4285,
149.4401, 197.8243

■ 16.4801, 9.3350,
16.2625

■ 16.4801, 9.3350,
16.2625

■ 15.7652, 8.3681,
14.5969

■ 17.4137, 10.7107,
18.0886

■ 15.2434, 7.7596,
13.0815

■ 18.5859, 12.5348,
20.0832

■ 14.9419, 7.4511,
12.0731

■ 20.0152, 14.8440,
22.2538

■ 21.7182, 17.6707,
24.6074

■ 23.7099, 21.0444,
27.1504

■ 26.0040, 24.9926,
29.8887

■ 28.6137, 29.5407,
32.8280

■ 31.5511, 34.7126,
35.9736

■ 34.8276, 40.5311,
39.3306

Harmonies

Analogous

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



14.0149, 9.3350, 29.9364



16.4801, 9.3350, 16.2625



16.6095, 9.3350, 6.4725

Triad

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



16.4801, 9.3350, 16.2625



7.4671, 9.3350, 0.7284



5.0117, 9.3350, 28.5844

Complementary

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



16.4801, 9.3350, 16.2625



13.4296, 23.1842, 11.3577

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.



4.0122, 9.3350, 15.0456



16.4801, 9.3350, 16.2625



5.1728, 9.3350, 1.8486

Square

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



16.4801, 9.3350, 16.2625



10.8037, 9.3350, 0.7792



4.0627, 9.3350, 5.8202



7.1866, 9.3350, 39.5674

Rectangle

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



16.4801, 9.3350, 16.2625



15.3058, 9.3350, 3.0571



4.0627, 9.3350, 5.8202



4.5544, 9.3350, 23.9126

Sweetspot

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



16.4804, 9.3355, 16.2627



42.6164, 37.9529, 48.8138



9.6456, 5.5046, 29.8325



9.4741, 8.2645, 10.8318



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.4804, 9.3355, 16.2627



27.6435, 14.2721, 24.5092



14.3069, 8.4661, 4.8173



6.3682, 6.2864, 7.3189



12.7252, 6.3443, 10.3438



0.2074, 0.1017, 0.2450

Inverse Universe

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



16.4804, 9.3355, 16.2627



27.6435, 14.2721, 24.5092



16.3195, 24.3402, 26.5760



6.3682, 6.2864, 7.3189



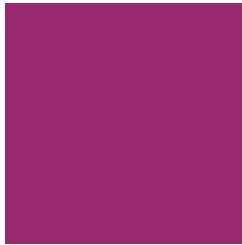
12.7252, 6.3443, 10.3438



0.2074, 0.1017, 0.2450

Previews

White Background



This preview shows how the XYZ color 16.4801, 9.3350, 16.2625 looks on a white background.

Color Contrast Check

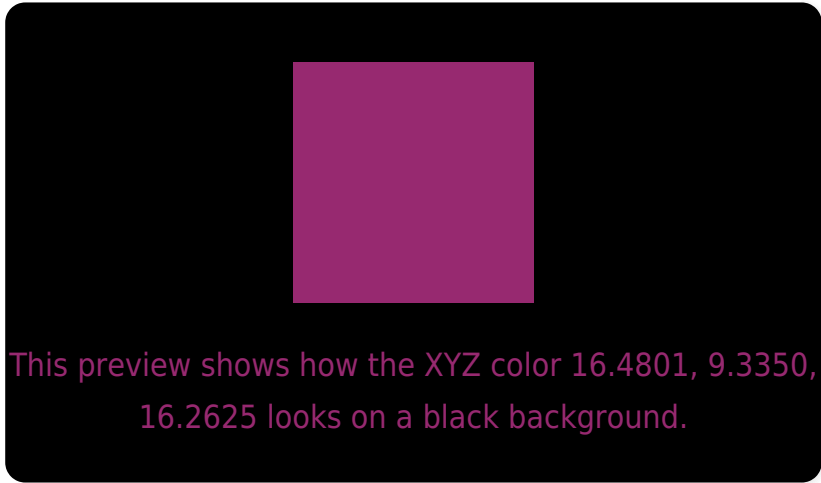
Large Text (above 18pt) WCAG AA ✓ Pass

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

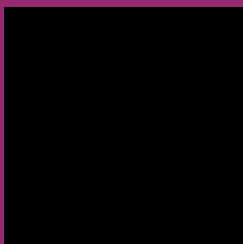
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4801, 9.3350, 16.2625

Background



This preview shows how black text looks on a background with the XYZ color 16.4801, 9.3350, 16.2625.



This preview shows how white text looks on a background with the XYZ color 16.4801, 9.3350,

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

16.4801, 9.3350, 16.2625

Protanopia

10.4234, 9.5965, 28.4971

Deuteranopia

9.6878, 9.5160, 14.9618



Tritanopia

14.2624, 9.3576, 5.3295

Trichromacy



Original Color

16.4801, 9.3350, 16.2625

Protanomaly

11.0473, 8.3572, 23.5851

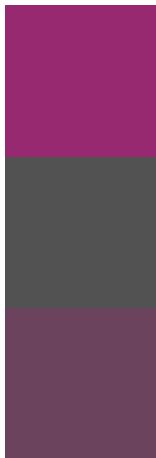
Deuteranomaly

11.2653, 8.6540, 15.2640

Tritanomaly

14.8079, 9.2281, 8.3979

Monochromacy



Original Color

16.4801, 9.3350, 16.2625

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.0463, 7.9304, 11.3571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4801, 9.3350, 16.2625 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(151, 41, 112)` looks like.

```
.text, #text, p{  
    color:rgb(151, 41, 112)  
}
```

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(151, 41, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 41, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.4801, 9.3350, 16.2625 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(151, 41, 112) }
```


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

```
.border{ border-color:rgb(151, 41, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 41, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 41, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 41, 112);  
box-shadow:4px 4px 4px 4px rgb(151, 41,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4801, 9.3350, 16.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 41, 112) }
```

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

```
.background{ background-color: rgb(151, 41,  
112) }
```

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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