

Converting Colors

XYZ(16.5348, 8.0764, 20.9932)

Have a look what the booklet for
XYZ(16.5348, 8.0764, 20.9932)
contains.

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Color

**XYZ(16.4740, 8.0425,
21.1062)**

Conversions

Conversions Part 1

Format	Color
Hex	960080
RGB	150, 0, 128
RGB Percent	59%, 0%, 50%
CMY	0.4118, 1.0000, 0.4980
CMYK	0.00, 1.00, 0.15, 0.41
HSL	309°, 100%, 29%
HSV	309°, 100%, 59%
XYZ	16.4740, 8.0425, 21.1062
YIQ	59.4420, 48.3120, 71.6080

Conversions

Conversions Part 2

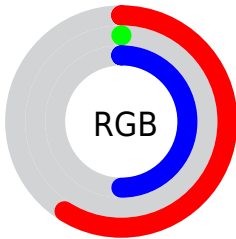
Format	Color
R_{YB}	150, 0, 128
Decimal	9830528
CIE _{Lab}	34.07, 62.95, -29.42
CIE _{LCh}	34, 69.487, 334.953
Yxy	8.0425, 0.3611, 0.1763
Android (android.graphics.Color)	4288020608 (0xFF960080)
YUV	59.4420, 33.7991, 79.4194
Hunter-Lab	28.3593, 54.0624, -24.2746

Details

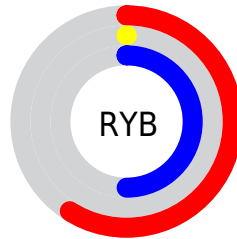
The XYZ color **16.4740, 8.0425, 21.1062** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **11.0516, 21.8711, 4.3988**, and the grayscale version is **4.1690, 4.3861, 4.7765**.

A 20% lighter version of the original color is **37.0068, 22.0538, 46.0224**, and **5.9912, 2.9297, 7.4575** is the 20% darker color. If you saturate the color by 10%, you get **16.4740, 8.0426, 21.1057**, and if you desaturate by 10%, it is **16.7916, 8.4432, 21.9344**.

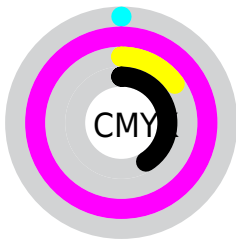
Distribution



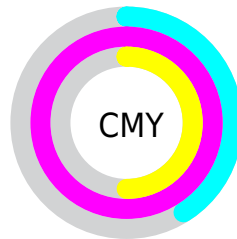
- Red (59%)
- Green (0%)
- Blue (50%)



- Red (59%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (41%)



- Cyan (41%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4740, 8.0425, 21.1062 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 16.4740, 8.0425, 21.1062 by changing the saturation by 10% instead.


 16.4740, 8.0425,
21.1062


 16.4740, 8.0425,
21.1062


225.3385,
176.0650, 270.6419


 9.9532, 4.1222,
13.0097


 36.9700, 22.0417,
46.1473


 5.4299, 1.7421,
7.3044


 51.6759, 32.8894,
63.9289


 2.5390, 0.4507,
3.5719

 69.8408, 46.8149,
85.7760

 0.9150, 0.0000,
1.3935

 91.8301, 64.2028,
112.1071

 0.0000, 0.0000,
0.1367

 118.0092, 85.4373,
143.3406

 0.0000, 0.0000,
0.0000

 148.7433,

110.9029, 179.8953

184.3980,
140.9840, 222.1895

16.4740, 8.0425,
21.1062

16.4740, 8.0425,
21.1062

16.4740, 8.0426,
21.1057

16.7916, 8.4432,
21.9344

17.2348, 9.0902,
22.8201

17.8618, 10.0999,
23.7827

18.6955, 11.5176,
24.8300

19.7551, 13.3821,
25.9685

■ 21.0578, 15.7277,
27.2040

■ 22.6192, 18.5853,
28.5417

■ 24.4533, 21.9831,
29.9865

■ 26.5733, 25.9476,
31.5429

Harmonies

Analogous

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



12.7023, 8.0425, 40.0363



16.4740, 8.0425, 21.1062



17.6117, 8.0425, 7.0552

Triad

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



16.4740, 8.0425, 21.1062



7.0242, 8.0425, 0.0000



3.0490, 8.0425, 27.3162

Complementary

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



16.4740, 8.0425, 21.1062



11.0516, 21.8711, 4.3988

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.



2.3955, 8.0425, 10.7124



16.4740, 8.0425, 21.1062



4.1464, 8.0425, 0.1252

Square

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



16.4740, 8.0425, 21.1062



11.2154, 8.0425, 0.0000



2.7165, 8.0425, 2.5088



4.9250, 8.0425, 45.2789

Rectangle

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



16.4740, 8.0425, 21.1062



16.4825, 8.0425, 2.5225



2.7165, 8.0425, 2.5088



2.7139, 8.0425, 21.0497

Sweetspot

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



16.4743, 8.0429, 21.1063



39.7389, 32.4699, 50.2224



5.7939, 2.3511, 29.0030



8.5649, 6.7518, 10.9274



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.



16.4743, 8.0429, 21.1063



29.0224, 14.1731, 36.9817



13.2678, 6.7603, 4.2210



5.9991, 5.8947, 7.1015



13.6721, 6.6739, 17.5524



0.1754, 0.0849, 0.2571

Inverse Universe

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



16.4743, 8.0429, 21.1063



29.0224, 14.1731, 36.9817



12.9724, 22.6394, 14.5138



5.9991, 5.8947, 7.1015



13.6721, 6.6739, 17.5524



0.1754, 0.0849, 0.2571

Previews

White Background



This preview shows how the XYZ color 16.4740, 8.0425, 21.1062 looks on a white background.

Color Contrast Check

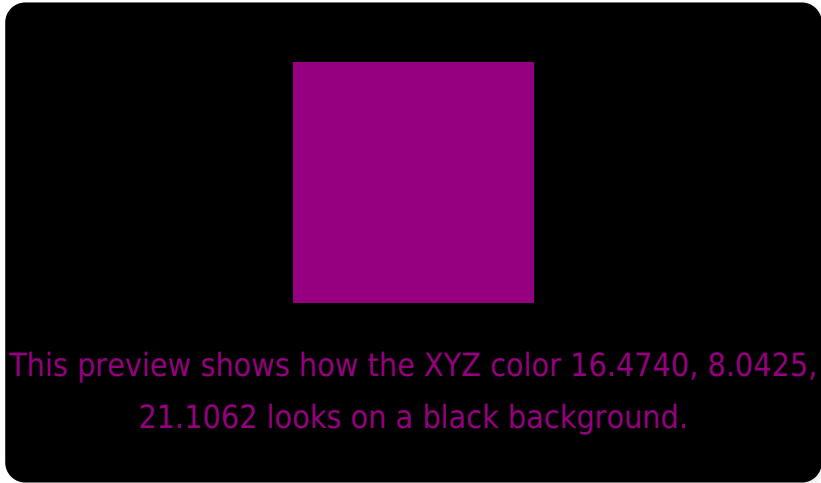
Large Text (above 18pt) WCAG AA ✓ Pass

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

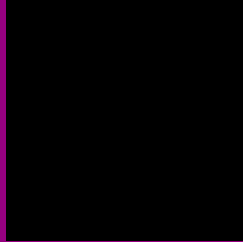
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4740, 8.0425, 21.1062

Background



This preview shows how black text looks on a background with the XYZ color 16.4740, 8.0425, 21.1062.



This preview shows how white text looks on a background with the XYZ color 16.4740, 8.0425,

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

16.4740, 8.0425, 21.1062

Protanopia

10.1244, 8.6396, 39.1642

Deuteranopia

8.7914, 8.6196, 18.9697



Tritanopia

13.1109, 8.3779, 4.2942

Trichromacy



Original Color

16.4740, 8.0425, 21.1062



Protanomaly

8.6758, 5.5464, 31.6237



Deuteranomaly

9.8401, 6.4827, 19.4715



Tritanomaly

13.8185, 7.7232, 8.3518

Monochromacy



Original Color

16.4740, 8.0425, 21.1062



Achromatopsia

4.1570, 4.3735, 4.7627



Achromatomaly

6.7070, 4.3016, 8.8643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4740, 8.0425, 21.1062 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(150, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 128)  
}
```

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(150, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.4740, 8.0425, 21.1062 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(150, 0, 128) }
```


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

```
.border{ border-color:rgb(150, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4740, 8.0425, 21.1062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 128) }
```

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

```
.background{ background-color: rgb(150, 0,  
128) }
```

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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