

Converting Colors

XYZ(16.6577, 8.9490, 16.7856)

Have a look what the booklet for
XYZ(16.6577, 8.9490, 16.7856)
contains.

XYZ(16.6641, 8.9672, 16.7721)	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(16.6641, 8.9672,
16.7721)**

Conversions

Conversions Part 1

Format	Color
Hex	991F72
RGB	153, 31, 114
RGB Percent	60%, 12%, 45%
CMY	0.4000, 0.8784, 0.5529
CMYK	0.00, 0.80, 0.25, 0.40
HSL	319°, 66%, 36%
HSV	319°, 80%, 60%
XYZ	16.6641, 8.9672, 16.7721
YIQ	76.9400, 46.0690, 51.6770

Conversions

Conversions Part 2

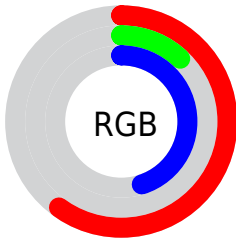
Format	Color
R_{YB}	153, 31, 114
Decimal	10035058
CIE _{Lab}	35.92, 56.05, -17.69
CIE _{LCh}	36, 58.773, 342.481
Yxy	8.9672, 0.3930, 0.2115
Android (android.graphics.Color)	4288225138 (0xFF991F72)
YUV	76.9400, 18.2706, 66.7046
Hunter-Lab	29.9453, 46.9283, -12.2461

Details

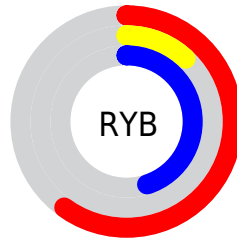
The XYZ color **16.6641, 8.9672, 16.7721** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.0624, 23.5163, 9.6465**, and the grayscale version is **7.0049, 7.3697, 8.0256**.

A 20% lighter version of the original color is **37.4031, 23.9144, 38.7210**, and **5.9131, 2.9347, 5.4091** is the 20% darker color. If you saturate the color by 10%, you get **16.0841, 8.2408, 15.2416**, and if you desaturate by 10%, it is **17.4493, 10.0798, 18.4445**.

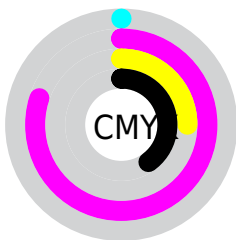
Distribution



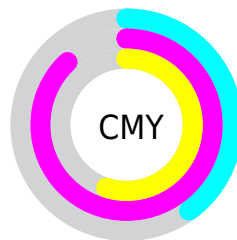
- Red (60%)
- Green (12%)
- Blue (45%)



- Red (60%)
- Yellow (12%)
- Blue (45%)



- Cyan (0%)
- Magenta (80%)
- Yellow (25%)
- Black (40%)




- Cyan (40%)
- Magenta (88%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6641, 8.9672, 16.7721 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 16.6641, 8.9672, 16.7721 by changing the saturation by 10% instead.


 16.6641, 8.9672,
16.7721


 16.6641, 8.9672,
16.7721


226.4234,
183.1330, 245.8549


 10.0891, 4.7198,
9.9119


 37.2955, 23.8339,
38.7188

 5.5208, 2.0838,
5.2357

 52.0827, 35.2219,
54.6424


 2.5938, 0.6555,
2.3251

 70.3380, 49.7589,
74.4241

 0.9428, 0.0000,
0.7452

 92.4267, 67.8294,
98.4826

 0.0000, 0.0000,
0.0000

 118.7143, 89.8176,
127.2364

 149.5660,

116.1080, 161.1041

185.3472,
147.0850, 200.5040

■ 16.6641, 8.9672,
16.7721

■ 16.6641, 8.9672,
16.7721

■ 16.0841, 8.2408,
15.2416

■ 17.4493, 10.0798,
18.4445

■ 15.6511, 7.7851,
13.8325

■ 18.4627, 11.6249,
20.2676

■ 15.6400, 7.7736,
13.7959

■ 19.7252, 13.6437,
22.2494

■ 21.2550, 16.1720,
24.3970

■ 23.0684, 19.2424,
26.7169

■ 25.1805, 22.8847,
29.2151

■ 27.6053, 27.1263,
31.8974

■ 30.3558, 31.9932,
34.7691

■ 33.4443, 37.5095,
37.8351

Harmonies

Analogous

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



13.9098, 8.9672, 31.9224



16.6641, 8.9672, 16.7721



16.9041, 8.9672, 6.1694

Triad

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



16.6641, 8.9672, 16.7721



7.1526, 8.9672, 0.3180



4.4680, 8.9672, 29.3613

Complementary

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



16.6641, 8.9672, 16.7721



13.0624, 23.5163, 9.6465

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.



3.5042, 8.9672, 14.5376



16.6641, 8.9672, 16.7721



4.7449, 8.9672, 1.3398

Square

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



16.6641, 8.9672, 16.7721



10.7084, 8.9672, 0.4115



3.5894, 8.9672, 5.0436



6.6573, 8.9672, 41.9812

Rectangle

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



16.6641, 8.9672, 16.7721



15.5351, 8.9672, 2.6496



3.5894, 8.9672, 5.0436



4.0208, 8.9672, 24.1606

Sweetspot

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



16.6644, 8.9677, 16.7723



43.2336, 37.7601, 50.1590



8.7399, 4.5691, 30.5583



9.2786, 7.8771, 10.7556



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.



16.6644, 8.9677, 16.7723



28.1900, 14.1320, 25.2321



14.2784, 8.0133, 4.2076



6.3771, 6.2900, 7.3661



12.9418, 6.4309, 11.4843



0.2098, 0.1027, 0.2578

Inverse Universe

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



16.6644, 8.9677, 16.7723



28.1900, 14.1320, 25.2321



16.0286, 24.7028, 25.2666



6.3771, 6.2900, 7.3661



12.9418, 6.4309, 11.4843



0.2098, 0.1027, 0.2578

Previews

White Background



This preview shows how the XYZ color 16.6641, 8.9672, 16.7721 looks on a white background.

Color Contrast Check

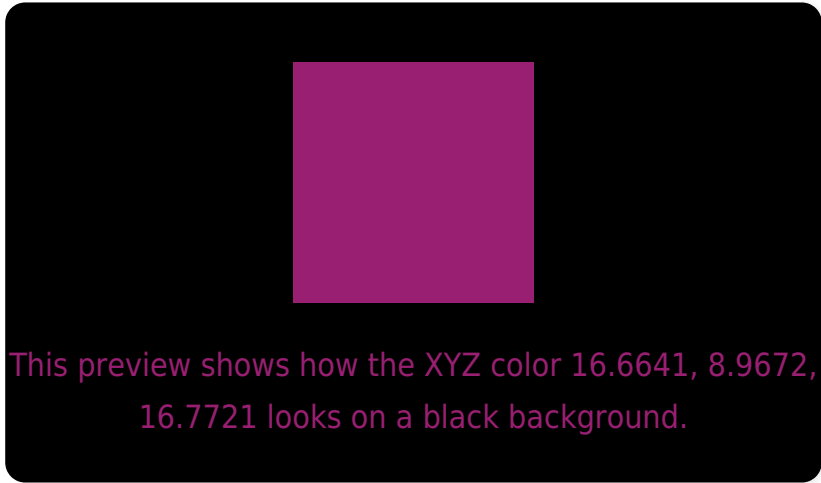
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6641, 8.9672, 16.7721

Background



This preview shows how black text looks on a background with the XYZ color 16.6641, 8.9672, 16.7721.



This preview shows how white text looks on a background with the XYZ color 16.6641, 8.9672, 16.7721.

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

16.6641, 8.9672, 16.7721

Protanopia

10.4713, 9.4306, 31.8402

Deuteranopia

9.3914, 9.2412, 15.1987



Tritanopia

14.1303, 9.0277, 4.6122

Trichromacy



Original Color

16.6641, 8.9672, 16.7721

Protanomaly

10.6703, 7.7685, 25.3632

Deuteranomaly

10.8891, 8.0945, 15.7403

Tritanomaly

14.7829, 8.8072, 7.7583

Monochromacy



Original Color

16.6641, 8.9672, 16.7721

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.2870, 6.9732, 10.5293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6641, 8.9672, 16.7721 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(153, 31, 114)` looks like.

```
.text, #text, p{  
    color:rgb(153, 31, 114)  
}
```

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(153, 31, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 31, 114) }
```

Border

The CSS property to change the border of an element to XYZ 16.6641, 8.9672, 16.7721 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(153, 31, 114) }
```


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

```
.border{ border-color:rgb(153, 31, 114) }
```

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

Here you see how a box with a 4 pixel rgb(153, 31, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 31, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 31, 114);  
box-shadow:4px 4px 4px 4px rgb(153, 31,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6641, 8.9672, 16.7721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 31, 114) }
```

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

```
.background{ background-color: rgb(153, 31,  
114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor