

Converting Colors

XYZ(17.6040, 9.5496, 16.3031)

Have a look what the booklet for
XYZ(17.6040, 9.5496, 16.3031)
contains.

XYZ(17.5690, 9.5267, 16.2421)	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(17.5690, 9.5267,
16.2421)**

Conversions

Conversions Part 1

Format	Color
Hex	9E2170
RGB	158, 33, 112
RGB Percent	62%, 13%, 44%
CMY	0.3804, 0.8705, 0.5608
CMYK	0.00, 0.79, 0.29, 0.38
HSL	322°, 65%, 37%
HSV	322°, 79%, 62%
XYZ	17.5690, 9.5267, 16.2421
YIQ	79.3810, 49.1410, 51.0690

Conversions

Conversions Part 2

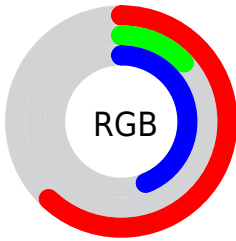
Format	Color
R_{YB}	158, 33, 112
Decimal	10363248
CIE _{Lab}	36.98, 56.46, -14.73
CIE _{LCh}	37, 58.352, 345.382
Yxy	9.5267, 0.4054, 0.2198
Android (android.graphics.Color)	4288553328 (0xFF9E2170)
YUV	79.3810, 16.0812, 68.9489
Hunter-Lab	30.8654, 47.5904, -9.5941

Details

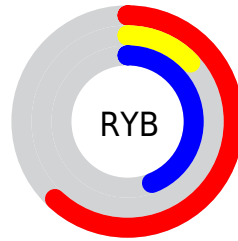
The XYZ color **17.5690, 9.5267, 16.2421** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.2660, 25.3418, 11.5385**, and the grayscale version is **7.4693, 7.8583, 8.5577**.

A 20% lighter version of the original color is **38.8469, 24.9336, 37.8872**, and **6.4049, 3.1949, 5.1296** is the 20% darker color. If you saturate the color by 10%, you get **16.9154, 8.7210, 14.4781**, and if you desaturate by 10%, it is **18.4499, 10.7535, 18.1852**.

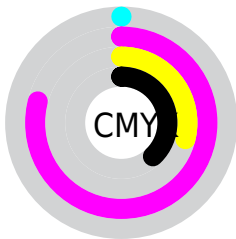
Distribution



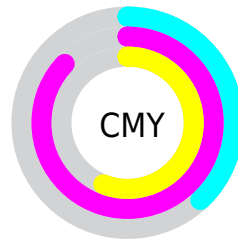
- Red (62%)
- Green (13%)
- Blue (44%)



- Red (62%)
- Yellow (13%)
- Blue (44%)



- Cyan (0%)
- Magenta (79%)
- Yellow (29%)
- Black (38%)



- Cyan (38%)
- Magenta (87%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5690, 9.5267, 16.2421 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 17.5690, 9.5267, 16.2421 by changing the saturation by 10% instead.

■ 17.5690, 9.5267,
16.2421

■ 17.5690, 9.5267,
16.2421

231.5232,
187.2599, 242.6604

■ 10.7388, 5.0863,
9.5394

■ 38.8374, 24.9014,
37.7906

■ 5.9575, 2.2980,
4.9931

■ 54.0063, 36.6045,
53.4735

■ 2.8597, 0.7726,
2.1845

■ 72.6855, 51.4972,
72.9870

■ 1.0800, 0.0000,
0.6654

■ 95.2404, 69.9640,
96.7494

■ 0.0083, 0.0000,
0.0000

■ 122.0362, 92.3893,
125.1794

■ 0.0000, 0.0000,
0.0000

■ 153.4384,

119.1574, 158.6956

189.8123,
150.6528, 197.7164

■ 17.5690, 9.5267,
16.2421

■ 17.5690, 9.5267,
16.2421

■ 16.9154, 8.7210,
14.4781

■ 18.4499, 10.7535,
18.1852

■ 16.4341, 8.2270,
12.8727

■ 19.5832, 12.4509,
20.3174

■ 16.3936, 8.1863,
12.7351

■ 20.9914, 14.6635,
22.6482

■ 22.6940, 17.4298,
25.1858

■ 24.7090, 20.7849,
27.9379

■ 27.0527, 24.7610,
30.9117

■ 29.7401, 29.3877,
34.1139

■ 32.7856, 34.6931,
37.5508

■ 36.2024, 40.7032,
41.2285

Harmonies

Analogous

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



14.9489, 9.5267, 31.5374



17.5690, 9.5267, 16.2421



17.5317, 9.5267, 5.9429

Triad

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



17.5690, 9.5267, 16.2421



7.3356, 9.5267, 0.5241



5.0022, 9.5267, 31.9328

Complementary

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



17.5690, 9.5267, 16.2421



14.2660, 25.3418, 11.5385

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.



3.8757, 9.5267, 16.5901



17.5690, 9.5267, 16.2421



4.9582, 9.5267, 1.7382

Square

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



17.5690, 9.5267, 16.2421



10.9220, 9.5267, 0.5100



3.8621, 9.5267, 6.1214



7.4136, 9.5267, 43.9491

Rectangle

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



17.5690, 9.5267, 16.2421



15.9750, 9.5267, 2.5950



3.8621, 9.5267, 6.1214



4.4927, 9.5267, 26.6663

Sweetspot

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



17.5693, 9.5272, 16.2423



46.7700, 40.9512, 53.1896



9.9268, 5.2123, 32.8305



10.2304, 8.7017, 11.5875



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.5693, 9.5272, 16.2423



30.0452, 15.1555, 24.0187



15.2134, 8.5848, 3.8362



6.8005, 6.7131, 7.8005



13.1490, 6.5642, 10.3018



0.2549, 0.1253, 0.2884

Inverse Universe

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



17.5693, 9.5272, 16.2423



30.0452, 15.1555, 24.0187



17.6870, 26.7102, 29.5534



6.8005, 6.7131, 7.8005



13.1490, 6.5642, 10.3018



0.2549, 0.1253, 0.2884

Previews

White Background



This preview shows how the XYZ color 17.5690, 9.5267, 16.2421 looks on a white background.

Color Contrast Check

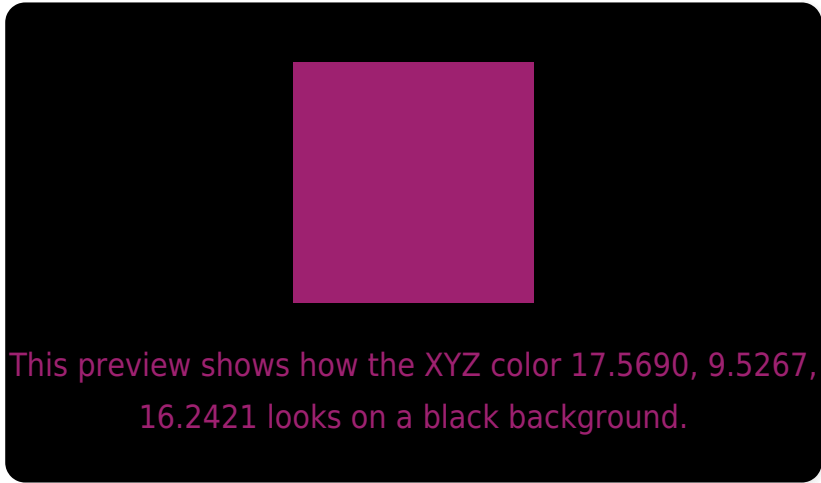
Large Text (above 18pt) WCAG AA ✓ Pass

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

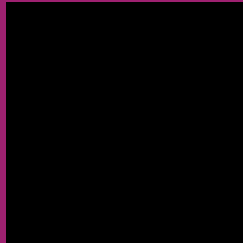
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5690, 9.5267, 16.2421

Background



This preview shows how black text looks on a background with the XYZ color 17.5690, 9.5267, 16.2421.



This preview shows how white text looks on a background with the XYZ color 17.5690, 9.5267,

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

17.5690, 9.5267, 16.2421

Protanopia

10.8382, 9.8820, 30.6143

Deuteranopia

9.9974, 9.7993, 14.7291



Tritanopia

15.2440, 9.6018, 4.6643

Trichromacy



Original Color

17.5690, 9.5267, 16.2421

Protanomaly

11.3464, 8.3072, 24.6723

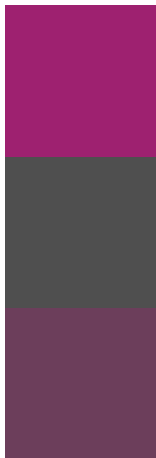
Deuteranomaly

11.6534, 8.6744, 15.2475

Tritanomaly

15.7605, 9.3671, 7.8148

Monochromacy



Original Color

17.5690, 9.5267, 16.2421

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

9.7953, 7.3887, 10.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5690, 9.5267, 16.2421 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(158, 33, 112)` looks like.

```
.text, #text, p{  
    color:rgb(158, 33, 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(158, 33, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 33, 112) }
```

Border

The CSS property to change the border of an element to XYZ 17.5690, 9.5267, 16.2421 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(158, 33, 112) }
```


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

```
.border{ border-color:rgb(158, 33, 112) }
```

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

Here you see how a box with a 4 pixel rgb(158, 33, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 33, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 33, 112);  
box-shadow:4px 4px 4px 4px rgb(158, 33,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5690, 9.5267, 16.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 33, 112) }
```

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

```
.background{ background-color: rgb(158, 33,  
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](#).

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