

Converting Colors

XYZ(22.5402, 17.1120, 34.8981)

Have a look what the booklet for
XYZ(22.5402, 17.1120, 34.8981)
contains.

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Color

**XYZ(22.4735, 17.0720,
34.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	93609F
RGB	147, 96, 159
RGB Percent	58%, 38%, 62%
CMY	0.4235, 0.6235, 0.3765
CMYK	0.08, 0.40, 0.00, 0.38
HSL	289°, 25%, 50%
HSV	289°, 40%, 62%
XYZ	22.4735, 17.0720, 34.9116
YIQ	118.4310, 10.1730, 30.4050

Conversions

Conversions Part 2

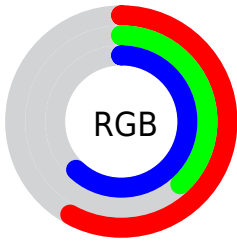
Format	Color
R_{YB}	147, 96, 159
Decimal	9658527
CIE _{Lab}	48.35, 31.81, -25.94
CIE _{LCh}	48, 41.044, 320.804
Yxy	17.0720, 0.3018, 0.2293
Android (android.graphics.Color)	4287848607 (0xFF93609F)
YUV	118.4310, 20.0005, 25.0550
Hunter-Lab	41.3183, 24.7813, -21.1739

Details

The XYZ color **22.4735, 17.0720, 34.9116** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.6943, 28.8293, 15.5410**, and the grayscale version is **17.2925, 18.1931, 19.8122**.

A 20% lighter version of the original color is **47.0846, 38.5914, 68.5856**, and **8.4301, 5.6083, 14.5481** is the 20% darker color. If you saturate the color by 10%, you get **20.6311, 14.1825, 34.4512**, and if you desaturate by 10%, it is **24.6247, 20.5571, 35.4712**.

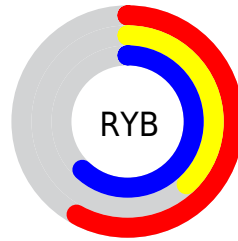
Distribution



Red (58%)

Green (38%)

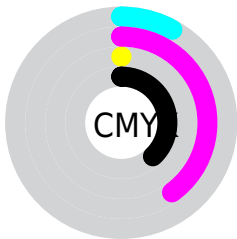
Blue (62%)



Red (58%)

Yellow (38%)

Blue (62%)

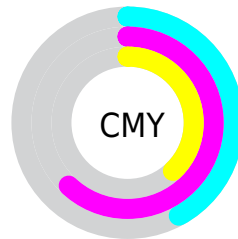


Cyan (8%)

Magenta (40%)

Yellow (0%)

Black (38%)



Cyan (42%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4735, 17.0720, 34.9116 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 22.4735, 17.0720, 34.9116 by changing the saturation by 10% instead.

■ 22.4735, 17.0720,
34.9116

■ 22.4735, 17.0720,
34.9116

257.5953,
235.5870, 339.0704

■ 14.3238, 10.2858,
23.3118

■ 47.0004, 38.4495,
68.4988

■ 8.4294, 5.5889,
14.6164

■ 64.1083, 53.8097,
91.3233

■ 4.4250, 2.5967,
8.4070

■ 84.9330, 72.7966,
118.7264

■ 1.9453, 0.9250,
4.2650

■ 109.8398, 95.7947,
151.1267

■ 0.6029, 0.0000,
1.7718

139.1940,
123.1884, 188.9427

■ 0.0000, 0.0000,
0.4093

173.3611,

■ 0.0000, 0.0000,

155.3621, 232.5929

0.0000

212.7064,
192.7002, 282.4960

■ 22.4735, 17.0720,
34.9116

■ 22.4735, 17.0720,
34.9116

■ 20.6311, 14.1825,
34.4512

■ 24.6247, 20.5571,
35.4712

■ 19.0780, 11.8508,
34.0830

■ 27.0995, 24.6683,
36.1343

■ 17.7947, 10.0381,
33.8008

■ 29.9136, 29.4366,
36.9063

■ 16.7590, 8.6996,
33.5970

■ 33.0812, 34.8903,
37.7921

■ 15.9445, 7.7830,
33.4630

■ 36.6158, 41.0560,
38.7959

■ 15.2921, 7.1701,
33.3791

■ 40.5299, 47.9590,
39.9220

■ 15.2681, 7.1481,
33.3761

■ 44.8358, 55.6231,
41.1743

■ 49.5448, 64.0712,
42.5568

■ 54.6680, 73.3253,
44.0730

Harmonies

Analogous

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



18.9216, 17.0720, 45.3108



22.4735, 17.0720, 34.9116



24.4264, 17.0720, 22.0843

Triad

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



22.4735, 17.0720, 34.9116



17.4051, 17.0720, 4.7555



10.3813, 17.0720, 26.9203

Complementary

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



22.4735, 17.0720, 34.9116



20.6943, 28.8293, 15.5410

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.



10.1038, 17.0720, 15.4826



22.4735, 17.0720, 34.9116



13.8002, 17.0720, 5.2041

Square

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



22.4735, 17.0720, 34.9116



21.2177, 17.0720, 6.7464



11.2597, 17.0720, 8.3615



12.0866, 17.0720, 39.5977

Rectangle

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



22.4735, 17.0720, 34.9116



24.3803, 17.0720, 14.9835



11.2597, 17.0720, 8.3615



10.1294, 17.0720, 22.7297

Sweetspot

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



22.4741, 17.0727, 34.9120



52.1980, 50.3750, 65.7157



16.5086, 15.8429, 34.9890



11.6281, 11.1192, 14.7770



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.



22.4741, 17.0727, 34.9120



37.1645, 25.7322, 61.7515



23.2225, 17.6338, 27.0298



6.7803, 6.6907, 8.3408



12.0923, 5.6628, 26.3629



0.2454, 0.1163, 0.4727

Inverse Universe

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



21.1883, 16.8201, 16.3179



34.6913, 25.3148, 22.8948



20.3113, 28.5190, 20.6244



6.6821, 6.6658, 7.1772



11.4932, 5.9019, 1.5825



0.2179, 0.1105, 0.0935

Previews

White Background



This preview shows how the XYZ color 22.4735, 17.0720, 34.9116 looks on a white background.

Color Contrast Check

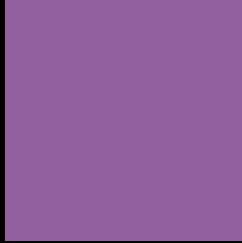
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4735, 17.0720, 34.9116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

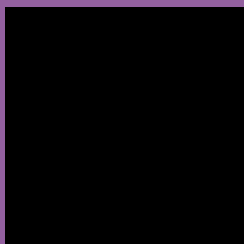
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.4735, 17.0720, 34.9116

Background



This preview shows how black text looks on a background with the XYZ color 22.4735, 17.0720, 34.9116.



This preview shows how white text looks on a background with the XYZ color 22.4735, 17.0720,

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

22.4735, 17.0720, 34.9116

Protanopia

18.1673, 17.2603, 41.9092

Deuteranopia

17.6116, 17.3185, 33.8671



Tritanopia

19.1758, 17.1857, 18.2261

Trichromacy



Original Color

22.4735, 17.0720, 34.9116

Protanomaly

19.2650, 16.9200, 39.2963

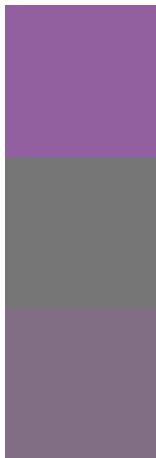
Deuteranomaly

18.9512, 16.8716, 34.1560

Tritanomaly

20.1083, 16.9541, 23.3317

Monochromacy



Original Color

22.4735, 17.0720, 34.9116

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.8628, 17.5124, 24.5764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4735, 17.0720, 34.9116 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, 96, 159)` looks like.

```
.text, #text, p{  
    color:rgb(147, 96, 159)  
}
```

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, 96, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 96, 159) }
```

Border

The CSS property to change the border of an element to XYZ 22.4735, 17.0720, 34.9116 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, 96, 159) }
```


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

```
.border{ border-color:rgb(147, 96, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 96, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 96, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 96, 159);  
box-shadow:4px 4px 4px 4px rgb(147, 96,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4735, 17.0720, 34.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 96, 159) }
```

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

```
.background{ background-color: rgb(147, 96,  
159) }
```

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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