

Converting Colors

XYZ(24.0683, 17.1451, 35.8981)

Have a look what the booklet for
XYZ(24.0683, 17.1451, 35.8981)
contains.

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Color

**XYZ(23.9938, 17.0536,
35.7453)**

Conversions

Conversions Part 1

Format	Color
Hex	9D5AA1
RGB	157, 90, 161
RGB Percent	62%, 35%, 63%
CMY	0.3843, 0.6470, 0.3686
CMYK	0.02, 0.44, 0.00, 0.37
HSL	297°, 28%, 49%
HSV	297°, 44%, 63%
XYZ	23.9938, 17.0536, 35.7453
YIQ	118.1270, 17.1410, 36.2850

Conversions

Conversions Part 2

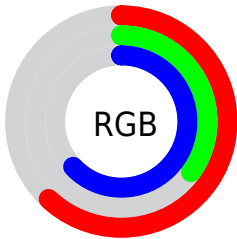
Format	Color
R_{YB}	157, 90, 161
Decimal	10312353
CIE _{Lab}	48.33, 38.73, -27.06
CIE _{LCh}	48, 47.246, 325.058
Yxy	17.0536, 0.3124, 0.2221
Android (android.graphics.Color)	4288502433 (0xFF9D5AA1)
YUV	118.1270, 21.1364, 34.0916
Hunter-Lab	41.2960, 31.4440, -22.4135

Details

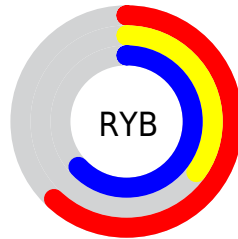
The XYZ color **23.9938, 17.0536, 35.7453** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2070, 28.6080, 14.1832**, and the grayscale version is **17.1923, 18.0876, 19.6974**.

A 20% lighter version of the original color is **49.5082, 38.4500, 69.7780**, and **9.2280, 5.5648, 15.0557** is the 20% darker color. If you saturate the color by 10%, you get **22.6039, 14.5352, 35.3327**, and if you desaturate by 10%, it is **25.6803, 20.1624, 36.2567**.

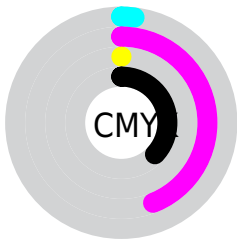
Distribution



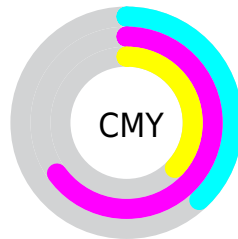
- Red (62%)
- Green (35%)
- Blue (63%)



- Red (62%)
- Yellow (35%)
- Blue (63%)



- Cyan (2%)
- Magenta (44%)
- Yellow (0%)
- Black (37%)



- Cyan (38%)
- Magenta (65%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9938, 17.0536, 35.7453 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 23.9938, 17.0536, 35.7453 by changing the saturation by 10% instead.

■ 23.9938, 17.0536,
35.7453

■ 23.9938, 17.0536,
35.7453

265.2302,
235.4811, 342.8496

■ 15.4537, 10.2727,
23.9494

■ 49.4748, 38.4179,
69.8034

■ 9.2268, 5.5801,
15.0842

■ 67.1465, 53.7701,
92.9026

■ 4.9477, 2.5915,
8.7313

■ 88.5928, 72.7482,
120.6068

■ 2.2511, 0.9224,
4.4719

■ 114.1790, 95.7366,
153.3344

■ 0.7694, 0.0000,
1.8876

144.2704,
123.1197, 191.5039

■ 0.0000, 0.0000,
0.4848

179.2326,

■ 0.0000, 0.0000,

155.2819, 235.5339

0.0000

219.4307,
192.6076, 285.8430

■ 23.9938, 17.0536,
35.7453

■ 23.9938, 17.0536,
35.7453

■ 22.6039, 14.5352,
35.3327

■ 25.6803, 20.1624,
36.2567

■ 21.4898, 12.5667,
35.0115

■ 27.6791, 23.8944,
36.8717

■ 20.6304, 11.1057,
34.7748

■ 30.0069, 28.2824,
37.5960

■ 20.0012, 10.1033,
34.6144

■ 32.6787, 33.3565,
38.4346

■ 19.5726, 9.5000,
34.5206

■ 35.7086, 39.1448,
39.3921

■ 19.3691, 9.2420,
34.4815

■ 39.1099, 45.6738,
40.4731

■ 42.8951, 52.9689,
41.6817

■ 47.0764, 61.0539,
43.0219

■ 51.6650, 69.9518,
44.4975

Harmonies

Analogous

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



19.9775, 17.0536, 49.4268



23.9938, 17.0536, 35.7453



25.9445, 17.0536, 20.6888

Triad

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



23.9938, 17.0536, 35.7453



16.9333, 17.0536, 3.5411



9.8021, 17.0536, 30.5409

Complementary

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



23.9938, 17.0536, 35.7453



19.2070, 28.6080, 14.1832

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.



9.2761, 17.0536, 16.5982



23.9938, 17.0536, 35.7453



12.9469, 17.0536, 4.3004

Square

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



23.9938, 17.0536, 35.7453



21.4328, 17.0536, 5.1184



10.3214, 17.0536, 8.0236



11.9114, 17.0536, 45.6033

Rectangle

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



23.9938, 17.0536, 35.7453



25.5989, 17.0536, 13.0608



10.3214, 17.0536, 8.0236



9.4521, 17.0536, 25.4406

Sweetspot

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



23.9944, 17.0544, 35.7457



54.1233, 51.3778, 67.4508



14.7184, 12.8841, 35.4296



11.6653, 10.8806, 14.7290



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.



23.9944, 17.0544, 35.7457



40.5044, 26.0722, 63.2841



22.3996, 16.5081, 23.2077



7.3247, 7.1818, 8.9032



15.4810, 7.3872, 27.5397



0.3364, 0.1609, 0.5792

Inverse Universe

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



20.3750, 15.6982, 12.5465



33.2416, 23.3673, 15.9939



20.3988, 29.0386, 22.5448



7.0892, 7.0921, 7.4561



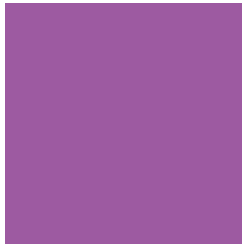
11.7837, 6.0695, 0.7856



0.2522, 0.1294, 0.0406

Previews

White Background



This preview shows how the XYZ color 23.9938, 17.0536, 35.7453 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 23.9938, 17.0536, 35.7453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

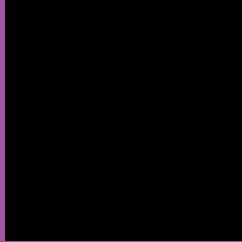
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9938, 17.0536, 35.7453

Background



This preview shows how black text looks on a background with the XYZ color 23.9938, 17.0536, 35.7453.



This preview shows how white text looks on a background with the XYZ color 23.9938, 17.0536,

35.7453.

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

23.9938, 17.0536, 35.7453

Protanopia

18.4577, 17.3297, 45.5522

Deuteranopia

17.6966, 17.3525, 34.3149



Tritanopia

20.0894, 17.0909, 16.7080

Trichromacy



Original Color

23.9938, 17.0536, 35.7453

Protanomaly

19.6646, 16.7651, 41.7347

Deuteranomaly

19.3915, 16.7827, 34.5651

Tritanomaly

21.4008, 17.0662, 22.5882

Monochromacy



Original Color

23.9938, 17.0536, 35.7453

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.1814, 17.3519, 24.8925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9938, 17.0536, 35.7453 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(157, 90, 161)` looks like.

```
.text, #text, p{  
    color:rgb(157, 90, 161)  
}
```

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(157, 90, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 90, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.9938, 17.0536, 35.7453 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(157, 90, 161) }
```


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

```
.border{ border-color:rgb(157, 90, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 90, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 90, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 90, 161);  
box-shadow:4px 4px 4px 4px rgb(157, 90,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9938, 17.0536, 35.7453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 90, 161) }
```

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

```
.background{ background-color: rgb(157, 90,  
161) }
```

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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