

Converting Colors

XYZ(24.0506, 17.6636, 35.6736)

Have a look what the booklet for
XYZ(24.0506, 17.6636, 35.6736)
contains.

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Color

**XYZ(23.9533, 17.5472,
35.8427)**

Conversions

Conversions Part 1

Format	Color
Hex	9B5EA1
RGB	155, 94, 161
RGB Percent	61%, 37%, 63%
CMY	0.3922, 0.6314, 0.3686
CMYK	0.04, 0.42, 0.00, 0.37
HSL	295°, 26%, 50%
HSV	295°, 42%, 63%
XYZ	23.9533, 17.5472, 35.8427
YIQ	119.8770, 14.8490, 33.7690

Conversions

Conversions Part 2

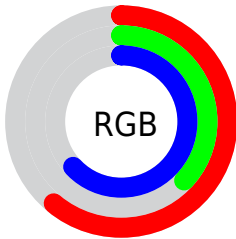
Format	Color
R_{YB}	155, 94, 161
Decimal	10182305
CIE _{Lab}	48.94, 35.90, -26.13
CIE _{LCh}	49, 44.401, 323.956
Yxy	17.5472, 0.3097, 0.2269
Android (android.graphics.Color)	4288372385 (0xFF9B5EA1)
YUV	119.8770, 20.2736, 30.8029
Hunter-Lab	41.8894, 28.7640, -21.4090

Details

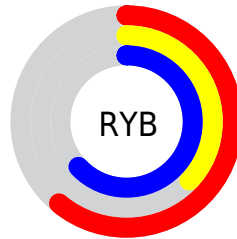
The XYZ color **23.9533, 17.5472, 35.8427** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.0214, 29.0077, 15.1343**, and the grayscale version is **17.7479, 18.6721, 20.3340**.

A 20% lighter version of the original color is **49.5375, 39.3645, 69.9529**, and **9.1782, 5.8057, 15.1049** is the 20% darker color. If you saturate the color by 10%, you get **22.3933, 14.8352, 35.4017**, and if you desaturate by 10%, it is **25.8164, 20.8597, 36.3841**.

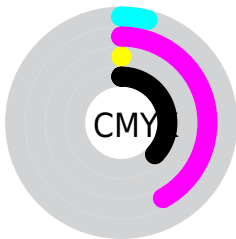
Distribution



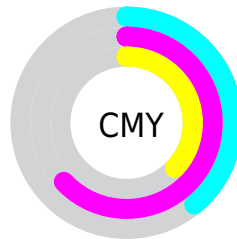
- Red (61%)
- Green (37%)
- Blue (63%)



- Red (61%)
- Yellow (37%)
- Blue (63%)



- Cyan (4%)
- Magenta (42%)
- Yellow (0%)
- Black (37%)



- Cyan (39%)
- Magenta (63%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9533, 17.5472, 35.8427 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 23.9533, 17.5472, 35.8427 by changing the saturation by 10% instead.

■ 23.9533, 17.5472,
35.8427

■ 23.9533, 17.5472,
35.8427

265.0292,
238.3063, 343.2891

■ 15.4235, 10.6254,
24.0240

■ 49.4092, 39.2642,
69.9555

■ 9.2054, 5.8155,
15.1391

■ 67.0661, 54.8283,
93.0867

■ 4.9336, 2.7332,
8.7693

■ 88.4960, 74.0418,
120.8258

■ 2.2427, 0.9941,
4.4963

■ 114.0643, 97.2893,
153.5914

■ 0.7651, 0.0000,
1.9014

144.1365,
124.9551, 191.8020

■ 0.0000, 0.0000,
0.4936

179.0778,

■ 0.0000, 0.0000,

157.4236, 235.8761

0.0000

219.2535,
195.0792, 286.2323

■ 23.9533, 17.5472,
35.8427

■ 23.9533, 17.5472,
35.8427

■ 22.3933, 14.8352,
35.4017

■ 25.8164, 20.8597,
36.3841

■ 21.1160, 12.6839,
35.0538

■ 27.9979, 24.8045,
37.0306

■ 20.1010, 11.0525,
34.7924

■ 30.5142, 29.4141,
37.7877

■ 19.3246, 9.8934,
34.6096

■ 33.3802, 34.7180,
38.6604

■ 18.7588, 9.1507,
34.4960

■ 36.6096, 40.7438,
39.6533

■ 18.3911, 8.7378,
34.4357

■ 40.2157, 47.5178,
40.7708

■ 44.2107, 55.0650,
42.0169

■ 48.6067, 63.4089,
43.3958

■ 53.4150, 72.5724,
44.9111

Harmonies

Analogous

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



20.1125, 17.5472, 48.3130



23.9533, 17.5472, 35.8427



25.8806, 17.5472, 21.6002

Triad

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



23.9533, 17.5472, 35.8427



17.5277, 17.5472, 4.2448



10.4260, 17.5472, 29.9005

Complementary

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



23.9533, 17.5472, 35.8427



20.0214, 29.0077, 15.1343

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.



9.9653, 17.5472, 16.8114



23.9533, 17.5472, 35.8427



13.6587, 17.5472, 4.9528

Square

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



23.9533, 17.5472, 35.8427



21.7972, 17.5472, 5.9908



11.0489, 17.5472, 8.6100



12.4307, 17.5472, 44.0061

Rectangle

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



23.9533, 17.5472, 35.8427



25.6265, 17.5472, 14.1316



11.0489, 17.5472, 8.6100



10.1009, 17.5472, 25.1288

Sweetspot

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



23.9539, 17.5480, 35.8431



54.3543, 52.1369, 67.5852



15.6745, 14.2030, 35.6338



11.7966, 11.2061, 14.7849



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.



23.9539, 17.5480, 35.8431



40.2763, 26.8634, 63.4489



23.0183, 17.3101, 24.7561



7.3015, 7.1698, 8.9021



14.7059, 6.9877, 27.5034



0.3260, 0.1556, 0.5787

Inverse Universe

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



21.0015, 16.5034, 14.1360



34.3609, 24.7945, 18.8682



20.8005, 29.2455, 22.5743



7.0983, 7.0958, 7.5043



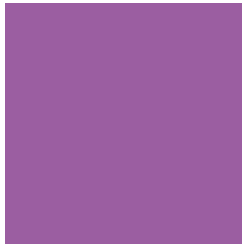
11.8116, 6.0807, 0.9325



0.2554, 0.1307, 0.0577

Previews

White Background



This preview shows how the XYZ color 23.9533, 17.5472, 35.8427 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 23.9533, 17.5472, 35.8427 looks on a black 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

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

XYZ 23.9533, 17.5472, 35.8427

Background



This preview shows how black text looks on a background with the XYZ color 23.9533, 17.5472, 35.8427.



This preview shows how white text looks on a background with the XYZ color 23.9533, 17.5472,

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

23.9533, 17.5472, 35.8427

Protanopia

18.7827, 17.8555, 44.5760

Deuteranopia

18.0422, 17.6990, 34.3636



Tritanopia

20.4266, 17.6850, 17.9597

Trichromacy



Original Color

23.9533, 17.5472, 35.8427

Protanomaly

19.9065, 17.2070, 41.3018

Deuteranomaly

19.5976, 17.1950, 34.6338

Tritanomaly

21.4454, 17.4984, 23.3663

Monochromacy



Original Color

23.9533, 17.5472, 35.8427

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.7305, 18.1047, 25.3763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9533, 17.5472, 35.8427 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(155, 94, 161)` looks like.

```
.text, #text, p{  
    color:rgb(155, 94, 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(155, 94, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 94, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.9533, 17.5472, 35.8427 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(155, 94, 161) }
```


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

```
.border{ border-color:rgb(155, 94, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 94, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 94, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 94, 161);  
box-shadow:4px 4px 4px 4px rgb(155, 94,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9533, 17.5472, 35.8427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 94, 161) }
```

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

```
.background{ background-color: rgb(155, 94,  
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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