

Converting Colors

XYZ(24.8442, 18.6230, 35.9313)

Have a look what the booklet for
XYZ(24.8442, 18.6230, 35.9313)
contains.

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Color

**XYZ(24.9954, 18.7660,
36.0230)**

Conversions

Conversions Part 1

Format	Color
Hex	9E63A1
RGB	158, 99, 161
RGB Percent	62%, 39%, 63%
CMY	0.3804, 0.6118, 0.3686
CMYK	0.02, 0.39, 0.00, 0.37
HSL	297°, 25%, 51%
HSV	297°, 39%, 63%
XYZ	24.9954, 18.7660, 36.0230
YIQ	123.7090, 15.2620, 31.7900

Conversions

Conversions Part 2

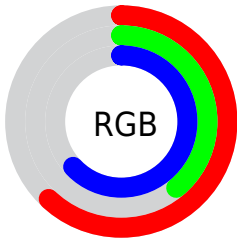
Format	Color
R_{YB}	158, 99, 161
Decimal	10380193
CIE _{Lab}	50.41, 34.08, -23.82
CIE _{LCh}	50, 41.580, 325.046
Yxy	18.7660, 0.3133, 0.2352
Android (android.graphics.Color)	4288570273 (0xFF9E63A1)
YUV	123.7090, 18.3845, 30.0732
Hunter-Lab	43.3197, 27.1846, -18.9794

Details

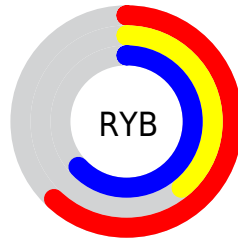
The XYZ color **24.9954, 18.7660, 36.0230** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.4771, 29.2158, 16.3653**, and the grayscale version is **18.9993, 19.9887, 21.7677**.

A 20% lighter version of the original color is **51.1928, 41.3872, 70.2561**, and **9.7266, 6.3886, 15.1885** is the 20% darker color. If you saturate the color by 10%, you get **23.4670, 15.9355, 35.5575**, and if you desaturate by 10%, it is **26.8301, 22.2068, 36.5907**.

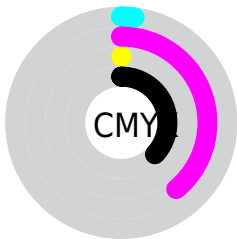
Distribution



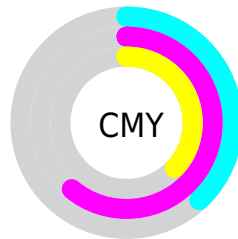
- Red (62%)
- Green (39%)
- Blue (63%)



- Red (62%)
- Yellow (39%)
- Blue (63%)



- Cyan (2%)
- Magenta (39%)
- Yellow (0%)
- Black (37%)





- Cyan (38%)
- Magenta (61%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9954, 18.7660, 36.0230 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 24.9954, 18.7660, 36.0230 by changing the saturation by 10% instead.


 24.9954, 18.7660,
36.0230


 24.9954, 18.7660,
36.0230

270.1631,
245.1539, 344.1015


 16.2023, 11.5013,
24.1621


 51.0927, 41.3383,
70.2370


 9.7592, 6.4051,
15.2406


 69.1277, 57.4147,
93.4272

 5.3006, 3.0929,
8.8399


 90.9740, 77.1972,
121.2310

 2.4613, 1.1804,
4.5415

 116.9970,
101.0701, 154.0668

 0.8758, 0.0456,
1.9269

147.5620,
129.4178, 192.3532

 0.0000, 0.0000,
0.5098

183.0345,

 0.0000, 0.0000,

162.6248, 236.5088

0.0000

223.7797,
201.0753, 286.9520

■ 24.9954, 18.7660,
36.0230

■ 24.9954, 18.7660,
36.0230

■ 23.4670, 15.9355,
35.5575

■ 26.8301, 22.2068,
36.5907

■ 22.2248, 13.6764,
35.1869

■ 28.9860, 26.2888,
37.2650

■ 21.2494, 11.9495,
34.9050

■ 31.4790, 31.0438,
38.0514

■ 20.5180, 10.7093,
34.7042

■ 34.3236, 36.5005,
38.9547

■ 20.0043, 9.9028,
34.5756

■ 37.5335, 42.6863,
39.9795

■ 19.6579, 9.4296,
34.5025

■ 41.1216, 49.6269,
41.1301

■ 19.6098, 9.3661,
34.4928

■ 45.1000, 57.3469,
42.4105

■ 49.4805, 65.8697,
43.8247

■ 54.2744, 75.2176,
45.3764

Harmonies

Analogous

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



21.3335, 18.7660, 47.9615



24.9954, 18.7660, 36.0230



26.7545, 18.7660, 22.4160

Triad

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



24.9954, 18.7660, 36.0230



18.5161, 18.7660, 5.3119



11.6810, 18.7660, 31.3795

Complementary

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



24.9954, 18.7660, 36.0230



20.4771, 29.2158, 16.3653

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.



11.1596, 18.7660, 18.5705



24.9954, 18.7660, 36.0230



14.7443, 18.7660, 6.1734

Square

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



24.9954, 18.7660, 36.0230



22.6703, 18.7660, 7.0800



12.1944, 18.7660, 10.1493



13.7439, 18.7660, 44.6460

Rectangle

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



24.9954, 18.7660, 36.0230



26.4446, 18.7660, 15.1820



12.1944, 18.7660, 10.1493



11.3342, 18.7660, 26.7734

Sweetspot

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



24.9960, 18.7668, 36.0234



54.6435, 52.2861, 67.5987



16.3406, 14.7492, 35.7041



11.8661, 11.2420, 14.7882



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.



24.9960, 18.7668, 36.0234



42.4409, 29.3000, 63.8051



23.4009, 18.1978, 24.5064



7.3303, 7.1846, 8.9035



15.6717, 7.4856, 27.5486



0.3389, 0.1622, 0.5793

Inverse Universe

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



21.5587, 17.4609, 14.8052



35.4627, 26.6587, 20.2817



21.7154, 29.6726, 24.6282



7.0870, 7.0913, 7.4446



11.7774, 6.0670, 0.7523



0.2514, 0.1290, 0.0365

Previews

White Background



This preview shows how the XYZ color 24.9954, 18.7660, 36.0230 looks on a white 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

Black Background



This preview shows how the XYZ color 24.9954, 18.7660, 36.0230 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 24.9954, 18.7660, 36.0230

Background



This preview shows how black text looks on a background with the XYZ color 24.9954, 18.7660, 36.0230.



This preview shows how white text looks on a background with the XYZ color 24.9954, 18.7660,

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

24.9954, 18.7660, 36.0230

Protanopia

19.6817, 18.8582, 43.6769

Deuteranopia

19.2463, 18.8359, 34.5196



Tritanopia

21.5223, 18.6849, 19.3018

Trichromacy



Original Color

24.9954, 18.7660, 36.0230

Protanomaly

21.0612, 18.4467, 40.9786

Deuteranomaly

20.9093, 18.5046, 34.8175

Tritanomaly

22.6116, 18.6666, 24.6016

Monochromacy



Original Color

24.9954, 18.7660, 36.0230

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.7994, 19.3019, 26.2963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9954, 18.7660, 36.0230 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, 99, 161)` looks like.

```
.text, #text, p{  
    color:rgb(158, 99, 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(158, 99, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 99, 161) }
```

Border

The CSS property to change the border of an element to XYZ 24.9954, 18.7660, 36.0230 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, 99, 161) }
```


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

```
.border{ border-color:rgb(158, 99, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 99, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 99, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 99, 161);  
box-shadow:4px 4px 4px 4px rgb(158, 99,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9954, 18.7660, 36.0230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 99, 161) }
```

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

```
.background{ background-color: rgb(158, 99,  
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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