

Converting Colors

XYZ(18.1573, 15.7184, 22.5076)

Have a look what the booklet for
XYZ(18.1573, 15.7184, 22.5076)
contains.

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Color

**XYZ(18.1263, 15.6594,
22.4893)**

Conversions

Conversions Part 1

Format	Color
Hex	856480
RGB	133, 100, 128
RGB Percent	52%, 39%, 50%
CMY	0.4784, 0.6078, 0.4980
CMYK	0.00, 0.25, 0.04, 0.48
HSL	309°, 14%, 46%
HSV	309°, 25%, 52%
XYZ	18.1263, 15.6594, 22.4893
YIQ	113.0590, 10.6800, 15.7040

Conversions

Conversions Part 2

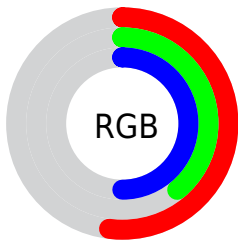
Format	Color
R_{YB}	133, 100, 128
Decimal	8742016
CIE Lab	46.52, 18.30, -10.42
CIE LCh	47, 21.060, 330.338
Yxy	15.6594, 0.3221, 0.2783
Android (android.graphics.Color)	4286932096 (0xFF856480)
YUV	113.0590, 7.3659, 17.4883
Hunter-Lab	39.5720, 12.5126, -5.9950

Details

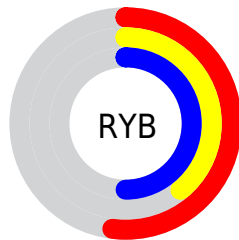
The XYZ color **18.1263, 15.6594, 22.4893** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.1935, 20.5047, 16.4698**, and the grayscale version is **15.6905, 16.5077, 17.9768**.

A 20% lighter version of the original color is **39.9006, 36.0342, 48.5684**, and **6.2517, 4.9497, 8.0230** is the 20% darker color. If you saturate the color by 10%, you get **16.8221, 13.2610, 21.4067**, and if you desaturate by 10%, it is **19.6423, 18.4768, 23.6558**.

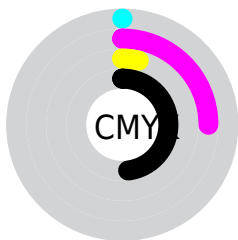
Distribution



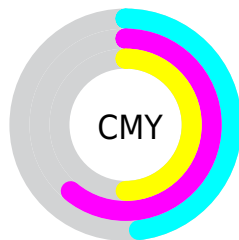
- Red (52%)
- Green (39%)
- Blue (50%)



- Red (52%)
- Yellow (39%)
- Blue (50%)



- Cyan (0%)
- Magenta (25%)
- Yellow (4%)
- Black (48%)



- Cyan (48%)
- Magenta (61%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1263, 15.6594, 22.4893 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 18.1263, 15.6594, 22.4893 by changing the saturation by 10% instead.

■ 18.1263, 15.6594,
22.4893

■ 18.1263, 15.6594,
22.4893

234.6138,
227.3234, 278.1274

■ 11.1409, 9.2835,
14.0151

■ 39.7808, 36.0059,
48.4659

■ 6.2297, 4.9265,
7.9923

■ 55.1807, 50.7452,
66.8054

■ 3.0272, 2.2042,
4.0023

■ 74.1161, 69.0412,
89.2704

■ 1.1682, 0.7223,
1.6266

■ 96.9524, 91.2781,
116.2795

■ 0.0810, 0.0000,
0.3097

124.0550,
117.8404, 148.2512

■ 0.0000, 0.0000,
0.0000

155.7892,

149.1124, 185.6041

192.5203,
185.4786, 228.7566

■ 18.1263, 15.6594,
22.4893

■ 18.1263, 15.6594,
22.4893

■ 16.8221, 13.2610,
21.4067

■ 19.6423, 18.4768,
23.6558

■ 15.7183, 11.2593,
20.4037

■ 21.3782, 21.7299,
24.9086

■ 14.8043, 9.6331,
19.4768

■ 23.3433, 25.4371,
26.2508

■ 14.0681, 8.3585,
18.6220

■ 25.5459, 29.6151,
27.6855

■ 13.4964, 7.4086,
17.8346

■ 27.9939, 34.2797,
29.2152

■ 13.0738, 6.7529,
17.1096

■ 30.6950, 39.4460,
30.8427

■ 12.7791, 6.3489,
16.4398

■ 33.6564, 45.1286,
32.5704

■ 12.6450, 6.1754,
16.1034

■ 36.8850, 51.3412,
34.4007

■ 40.3876, 58.0973,
36.3358

Harmonies

Analogous

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



16.7166, 15.6594, 27.2108



18.1263, 15.6594, 22.4893



18.6527, 15.6594, 16.9916

Triad

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



18.1263, 15.6594, 22.4893



14.8632, 15.6594, 8.8828



12.0709, 15.6594, 22.6122

Complementary

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



18.1263, 15.6594, 22.4893



16.1935, 20.5047, 16.4698

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.



11.6602, 15.6594, 17.1094



18.1263, 15.6594, 22.4893



13.1901, 15.6594, 9.7984

Square

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



18.1263, 15.6594, 22.4893



16.6782, 15.6594, 9.7577



12.0530, 15.6594, 12.5678



13.2229, 15.6594, 27.2912

Rectangle

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



18.1263, 15.6594, 22.4893



18.4011, 15.6594, 13.8079



12.0530, 15.6594, 12.5678



11.8460, 15.6594, 20.7646

Sweetspot

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



18.1268, 15.6601, 22.4896



37.5171, 37.4730, 44.0646



14.6113, 13.8088, 24.0858



8.4195, 8.3809, 9.9041



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.1268, 15.6601, 22.4896



31.0446, 25.4327, 39.1176



17.1302, 15.2615, 17.2418



4.8284, 4.7510, 5.7086



12.0469, 5.8831, 15.3509



0.0438, 0.0212, 0.0639

Inverse Universe

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



18.1268, 15.6601, 22.4896



31.0446, 25.4327, 39.1176



17.1225, 20.8763, 21.3618



4.8284, 4.7510, 5.7086



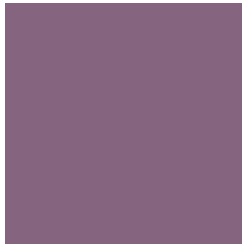
12.0469, 5.8831, 15.3509



0.0438, 0.0212, 0.0639

Previews

White Background



This preview shows how the XYZ color 18.1263, 15.6594, 22.4893 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 18.1263, 15.6594, 22.4893 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 18.1263, 15.6594, 22.4893

Background



This preview shows how black text looks on a background with the XYZ color 18.1263, 15.6594, 22.4893.



This preview shows how white text looks on a background with the XYZ color 18.1263, 15.6594,

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

18.1263, 15.6594, 22.4893

Protanopia

15.5974, 15.6618, 24.7552

Deuteranopia

16.1328, 15.8348, 22.2848



Tritanopia

17.0796, 15.6735, 17.1640

Trichromacy



Original Color

18.1263, 15.6594, 22.4893

Protanomaly

16.3891, 15.6188, 23.9807

Deuteranomaly

16.7675, 15.7004, 22.2254

Tritanomaly

17.4780, 15.6926, 18.9374

Monochromacy



Original Color

18.1263, 15.6594, 22.4893

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.3783, 16.0262, 19.3697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1263, 15.6594, 22.4893 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(133, 100, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 100, 128)  
}
```

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(133, 100, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 100, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.1263, 15.6594, 22.4893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

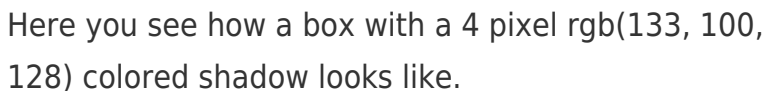
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 100, 128) }
```


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

```
.border{ border-color:rgb(133, 100, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 100, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 100, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 100, 128); box-shadow:4px 4px 4px 4px rgb(133, 100, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1263, 15.6594, 22.4893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 100, 128) }
```

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

```
.background{ background-color: rgb(133,  
100, 128) }
```

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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