

Converting Colors

XYZ(18.4214, 13.3600, 21.8782)

Have a look what the booklet for
XYZ(18.4214, 13.3600, 21.8782)
contains.

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Color

**XYZ(18.4420, 13.3156,
22.0202)**

Conversions

Conversions Part 1

Format	Color
Hex	915080
RGB	145, 80, 128
RGB Percent	57%, 31%, 50%
CMY	0.4314, 0.6863, 0.4980
CMYK	0.00, 0.45, 0.12, 0.43
HSL	316°, 29%, 44%
HSV	316°, 45%, 57%
XYZ	18.4420, 13.3156, 22.0202
YIQ	104.9070, 23.3320, 28.7080

Conversions

Conversions Part 2

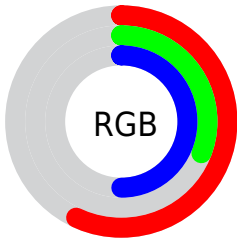
Format	Color
R_{YB}	145, 80, 128
Decimal	9523328
CIE _{Lab}	43.23, 34.14, -15.27
CIE _{LCh}	43, 37.398, 335.908
Yxy	13.3156, 0.3429, 0.2476
Android (android.graphics.Color)	4287713408 (0xFF915080)
YUV	104.9070, 11.3848, 35.1616
Hunter-Lab	36.4905, 26.3539, -10.2351

Details

The XYZ color **18.4420, 13.3156, 22.0202** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.5920, 22.8198, 14.8932**, and the grayscale version is **13.3683, 14.0645, 15.3162**.

A 20% lighter version of the original color is **40.2762, 31.8482, 47.7406**, and **6.4155, 3.8716, 7.8063** is the 20% darker color. If you saturate the color by 10%, you get **17.2478, 11.3190, 20.4135**, and if you desaturate by 10%, it is **19.8755, 15.7754, 23.7530**.

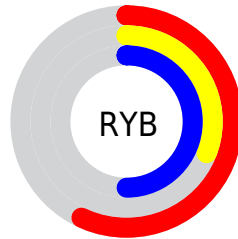
Distribution



Red (57%)

Green (31%)

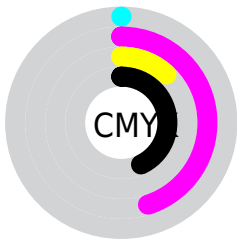
Blue (50%)



Red (57%)

Yellow (31%)

Blue (50%)

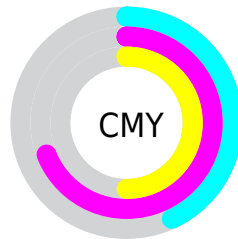


Cyan (0%)

Magenta (45%)

Yellow (12%)

Black (43%)



Cyan (43%)

Magenta (69%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4420, 13.3156, 22.0202 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 18.4420, 13.3156, 22.0202 by changing the saturation by 10% instead.

■ 18.4420, 13.3156,
22.0202

■ 18.4420, 13.3156,
22.0202

236.3484,
212.9305, 275.6087

■ 11.3694, 7.6462,
13.6733

■ 40.3133, 31.8696,
47.6820

■ 6.3850, 3.8694,
7.7576

■ 55.8426, 45.5231,
65.8340

■ 3.1234, 1.6008,
3.8547

■ 74.9216, 62.6066,
88.0914

■ 1.2194, 0.3581,
1.5460

■ 97.9156, 83.5048,
114.8727

■ 0.1216, 0.0000,
0.2518

■ 125.1899,
108.6018, 146.5966

■ 0.0000, 0.0000,
0.0000

157.1099,

138.2822, 183.6815

194.0410,
172.9303, 226.5460

■ 18.4420, 13.3156,
22.0202

■ 18.4420, 13.3156,
22.0202

■ 17.2478, 11.3190,
20.4135

■ 19.8755, 15.7754,
23.7530

■ 16.2766, 9.7540,
18.9265

■ 21.5608, 18.7238,
25.6161

■ 15.5121, 8.5878,
17.5536

■ 23.5107, 22.1863,
27.6144

■ 14.9352, 7.7822,
16.2876

■ 25.7371, 26.1863,
29.7524

■ 14.5209, 7.2876,
15.1199

■ 28.2510, 30.7457,
32.0342

■ 14.3349, 7.0829,
14.5422

■ 31.0628, 35.8852,
34.4636

■ 34.1823, 41.6244,
37.0446

■ 37.6190, 47.9820,
39.7805

■ 41.3820, 54.9759,
42.6750

Harmonies

Analogous

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



16.2059, 13.3156, 31.6031



18.4420, 13.3156, 22.0202



19.0329, 13.3156, 12.9201

Triad

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



18.4420, 13.3156, 22.0202



12.0923, 13.3156, 3.7257



8.6649, 13.3156, 25.9890

Complementary

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



18.4420, 13.3156, 22.0202



15.5920, 22.8198, 14.8932

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.



7.8911, 13.3156, 16.2003



18.4420, 13.3156, 22.0202



9.6666, 13.3156, 5.0460

Square

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



18.4420, 13.3156, 22.0202



15.0647, 13.3156, 4.2775



8.2278, 13.3156, 8.9203



10.5190, 13.3156, 34.4400

Rectangle

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



18.4420, 13.3156, 22.0202



18.3464, 13.3156, 8.5935



8.2278, 13.3156, 8.9203



8.2838, 13.3156, 22.6301

Sweetspot

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



18.4424, 13.3162, 22.0205



42.6905, 40.7811, 50.0314



12.8304, 10.2828, 28.0969



9.3290, 8.7720, 10.9642



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.4424, 13.3162, 22.0205



30.8300, 20.1752, 36.4741



16.6691, 12.6069, 12.6823



5.5668, 5.4873, 6.4830



12.3064, 6.0796, 12.5310



0.1267, 0.0617, 0.1675

Inverse Universe

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



18.4424, 13.3162, 22.0205



30.8300, 20.1752, 36.4741



17.3800, 23.5350, 24.3090



5.5668, 5.4873, 6.4830



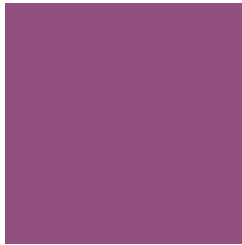
12.3064, 6.0796, 12.5310



0.1267, 0.0617, 0.1675

Previews

White Background



This preview shows how the XYZ color 18.4420, 13.3156, 22.0202 looks on a white background.

Color Contrast Check

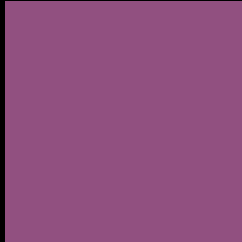
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4420, 13.3156, 22.0202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

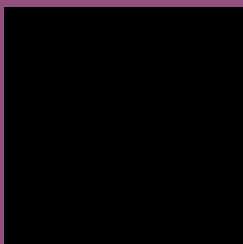
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4420, 13.3156, 22.0202

Background



This preview shows how black text looks on a background with the XYZ color 18.4420, 13.3156, 22.0202.



This preview shows how white text looks on a background with the XYZ color 18.4420, 13.3156,

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

18.4420, 13.3156, 22.0202

Protanopia

13.9042, 13.4946, 28.2575

Deuteranopia

13.6748, 13.3944, 20.9334



Tritanopia

16.4131, 13.2873, 12.2893

Trichromacy



Original Color

18.4420, 13.3156, 22.0202

Protanomaly

14.9322, 12.9787, 25.7629

Deuteranomaly

15.0872, 13.1609, 21.1472

Tritanomaly

16.9272, 13.1320, 15.2782

Monochromacy



Original Color

18.4420, 13.3156, 22.0202

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.9092, 13.5511, 17.4526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4420, 13.3156, 22.0202 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(145, 80, 128)` looks like.

```
.text, #text, p{  
    color:rgb(145, 80, 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(145, 80, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 80, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.4420, 13.3156, 22.0202 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(145, 80, 128) }
```


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

```
.border{ border-color:rgb(145, 80, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 80, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 80, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 80, 128);  
box-shadow:4px 4px 4px 4px rgb(145, 80,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4420, 13.3156, 22.0202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 80, 128) }
```

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

```
.background{ background-color: rgb(145, 80,  
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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