

Converting Colors

XYZ(21.9152, 20.1702, 23.1606)

Have a look what the booklet for
XYZ(21.9152, 20.1702, 23.1606)
contains.

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Color

**XYZ(21.8187, 20.0690,
23.1458)**

Conversions

Conversions Part 1

Format	Color
Hex	917480
RGB	145, 116, 128
RGB Percent	57%, 45%, 50%
CMY	0.4314, 0.5451, 0.4980
CMYK	0.00, 0.20, 0.12, 0.43
HSL	335°, 12%, 51%
HSV	335°, 20%, 57%
XYZ	21.8187, 20.0690, 23.1458
YIQ	126.0390, 13.4320, 9.8800

Conversions

Conversions Part 2

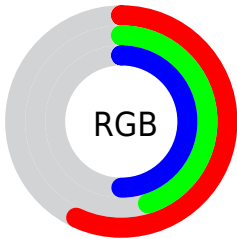
Format	Color
R_{YB}	145, 116, 128
Decimal	9532544
CIE _{Lab}	51.92, 13.41, -2.27
CIE _{LCh}	52, 13.602, 350.405
Yxy	20.0690, 0.3355, 0.3086
Android (android.graphics.Color)	4287722624 (0xFF917480)
YUV	126.0390, 0.9668, 16.6288
Hunter-Lab	44.7984, 8.5396, 0.7258

Details

The XYZ color **21.8187, 20.0690, 23.1458** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.5623, 25.6578, 26.0075**, and the grayscale version is **19.8385, 20.8717, 22.7292**.

A 20% lighter version of the original color is **45.8963, 43.4836, 49.6902**, and **8.0945, 7.0784, 8.3368** is the 20% darker color. If you saturate the color by 10%, you get **19.7398, 16.7692, 19.8070**, and if you desaturate by 10%, it is **24.2066, 23.9112, 26.8194**.

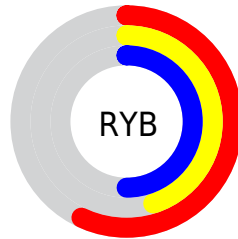
Distribution



Red (57%)

Green (45%)

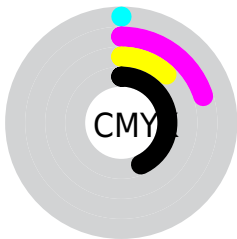
Blue (50%)



Red (57%)

Yellow (45%)

Blue (50%)

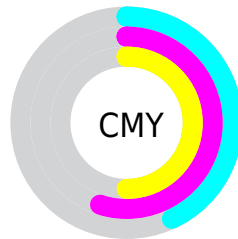


Cyan (0%)

Magenta (20%)

Yellow (12%)

Black (43%)



Cyan (43%)

Magenta (55%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8187, 20.0690, 23.1458 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 21.8187, 20.0690, 23.1458 by changing the saturation by 10% instead.

■ 21.8187, 20.0690,
23.1458

■ 21.8187, 20.0690,
23.1458

254.2482,
252.2884, 281.6191

■ 13.8396, 12.4452,
14.4949

■ 45.9273, 43.5328,
49.5588

■ 8.0901, 7.0476,
8.3230

■ 62.7874, 60.1417,
68.1581

■ 4.2050, 3.4919,
4.2116

■ 83.3386, 80.5143,
90.9105

■ 1.8187, 1.3936,
1.7421

107.9463,
105.0352, 118.2346

■ 0.5289, 0.2120,
0.3894

136.9757,
134.0886, 150.5490

■ 0.0000, 0.0000,
0.0000

170.7923,

168.0590, 188.2722

209.7613,
207.3308, 231.8227

■ 21.8187, 20.0690,
23.1458

■ 21.8187, 20.0690,
23.1458

■ 19.7398, 16.7692,
19.8070

■ 24.2066, 23.9112,
26.8194

■ 17.9548, 13.9844,
16.7916

■ 26.9141, 28.3161,
30.8360

■ 16.4503, 11.6891,
14.0896

■ 29.9535, 33.3062,
35.2053

■ 15.2107, 9.8543,
11.6895

■ 33.3358, 38.9021,
39.9361

■ 14.2189, 8.4482,
9.5794

■ 37.0717, 45.1232,
45.0367

■ 13.4560, 7.4344,
7.7463

■ 41.1712, 51.9883,
50.5155

■ 12.8996, 6.7710,
6.1755

■ 45.6440, 59.5152,
56.3802

■ 12.4927, 6.3460,
4.8407

■ 50.4994, 67.7210,
62.6385

■ 12.4926, 6.3460,
4.8405

■ 55.7465, 76.6223,
69.2979

Harmonies

Analogous

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



21.1981, 20.0690, 27.0735



21.8187, 20.0690, 23.1458



21.6772, 20.0690, 19.3028

Triad

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



21.8187, 20.0690, 23.1458



18.1629, 20.0690, 15.4633



17.4300, 20.0690, 28.2606

Complementary

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



21.8187, 20.0690, 23.1458



21.5623, 25.6578, 26.0075

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.



16.6898, 20.0690, 24.6157



21.8187, 20.0690, 23.1458



17.0986, 20.0690, 17.3487

Square

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



21.8187, 20.0690, 23.1458



19.5216, 20.0690, 15.1704



16.5715, 20.0690, 20.6068



18.6352, 20.0690, 30.2531

Rectangle

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



21.8187, 20.0690, 23.1458



21.1722, 20.0690, 17.2781



16.5715, 20.0690, 20.6068



17.1210, 20.0690, 27.1687

Sweetspot

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



21.8193, 20.0699, 23.1462



45.1588, 45.7543, 50.7411



21.0167, 19.5158, 29.4475



9.9868, 10.0823, 11.1996



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.



21.8193, 20.0699, 23.1462



37.3312, 33.1633, 38.6858



21.3577, 20.3368, 19.3238



5.4956, 5.4588, 6.1079



10.7276, 5.4481, 4.2170



0.1131, 0.0563, 0.0958

Inverse Universe

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



21.8193, 20.0699, 23.1462



37.3312, 33.1633, 38.6858



22.0739, 25.2779, 30.5040



5.4956, 5.4588, 6.1079



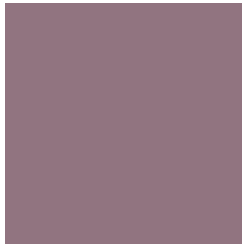
10.7276, 5.4481, 4.2170



0.1131, 0.0563, 0.0958

Previews

White Background



This preview shows how the XYZ color 21.8187, 20.0690, 23.1458 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 21.8187, 20.0690, 23.1458 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 21.8187, 20.0690, 23.1458

Background



This preview shows how black text looks on a background with the XYZ color 21.8187, 20.0690, 23.1458.



This preview shows how white text looks on a background with the XYZ color 21.8187, 20.0690,

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

21.8187, 20.0690, 23.1458

Protanopia

19.5600, 20.1169, 24.6818

Deuteranopia

20.3788, 20.0336, 22.8715



Tritanopia

21.6241, 19.9912, 22.1210

Trichromacy



Original Color

21.8187, 20.0690, 23.1458

Protanomaly

20.3289, 19.9772, 24.2573

Deuteranomaly

20.9088, 20.1292, 22.8620

Tritanomaly

21.6883, 20.0169, 22.4592

Monochromacy



Original Color

21.8187, 20.0690, 23.1458

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.4632, 20.4379, 22.9451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8187, 20.0690, 23.1458 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, 116, 128)` looks like.

```
.text, #text, p{  
    color:rgb(145, 116, 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, 116, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 116, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.8187, 20.0690, 23.1458 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, 116, 128) }
```


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

```
.border{ border-color:rgb(145, 116, 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, 116, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 116, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 116, 128);  
box-shadow:4px 4px 4px 4px rgb(145, 116,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8187, 20.0690, 23.1458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 116, 128) }
```

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

```
.background{ background-color: rgb(145,  
116, 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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