

Converting Colors

XYZ(20.4845, 22.1823, 18.2411)

Have a look what the booklet for
XYZ(20.4845, 22.1823, 18.2411)
contains.

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Color

**XYZ(20.5013, 22.2858,
18.2600)**

Conversions

Conversions Part 1

Format	Color
Hex	84836F
RGB	132, 131, 111
RGB Percent	52%, 51%, 44%
CMY	0.4823, 0.4863, 0.5647
CMYK	0.00, 0.01, 0.16, 0.48
HSL	57°, 9%, 48%
HSV	57°, 16%, 52%
XYZ	20.5013, 22.2858, 18.2600
YIQ	129.0190, 7.0160, -6.0080

Conversions

Conversions Part 2

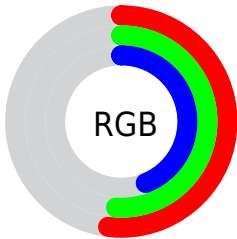
Format	Color
R_{YB}	112, 132, 111
Decimal	8684399
CIE Lab	54.33, -3.28, 10.96
CIE LCh	54, 11.446, 106.666
Yxy	22.2858, 0.3358, 0.3651
Android (android.graphics.Color)	4286874479 (0xFF84836F)
YUV	129.0190, -8.8834, 2.6143
Hunter-Lab	47.2078, -5.0952, 10.1121

Details

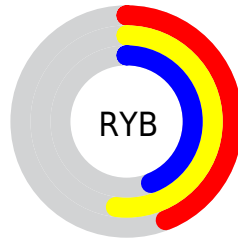
The XYZ color **20.5013, 22.2858, 18.2600** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.5147, 16.6336, 24.1703**, and the grayscale version is **20.9018, 21.9903, 23.9475**.

A 20% lighter version of the original color is **43.7589, 47.2396, 41.4621**, and **7.3942, 8.1873, 5.8932** is the 20% darker color. If you saturate the color by 10%, you get **19.7438, 21.8492, 14.6828**, and if you desaturate by 10%, it is **21.3679, 22.7684, 22.4041**.

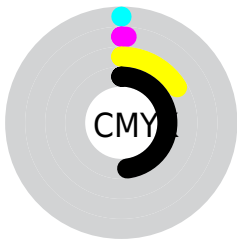
Distribution



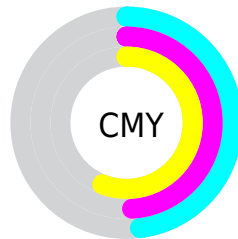
- Red (52%)
- Green (51%)
- Blue (44%)



- Red (44%)
- Yellow (52%)
- Blue (44%)



- Cyan (0%)
- Magenta (1%)
- Yellow (16%)
- Black (48%)



- Cyan (48%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5013, 22.2858, 18.2600 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 20.5013, 22.2858, 18.2600 by changing the saturation by 10% instead.

■ 20.5013, 22.2858,
18.2600

■ 20.5013, 22.2858,
18.2600

247.3983,
264.0352, 254.6176

■ 12.8703, 14.0671,
10.9654

■ 43.7536, 47.2179,
41.2998

■ 7.4157, 8.1673,
5.9297

■ 60.1057, 64.7001,
57.8821

■ 3.7720, 4.2022,
2.7343

■ 80.0955, 86.0388,
78.3974

■ 1.5740, 1.7873,
0.9606

■ 104.0885,
111.6185, 103.2642

■ 0.3754, 0.4792,
0.0000

132.4499,
141.8236, 132.9011

■ 0.0000, 0.0000,
0.0000

165.5451,

177.0385, 167.7266

203.7394,
217.6476, 208.1593

■ 20.5013, 22.2858,
18.2600

■ 20.5013, 22.2858,
18.2600

■ 19.7438, 21.8492,
14.6828

■ 21.3679, 22.7684,
22.4041

■ 19.0890, 21.4537,
11.6463

■ 22.3463, 23.2957,
27.1369

■ 18.5324, 21.0983,
9.1245

■ 23.4412, 23.8705,
32.4807

■ 18.0685, 20.7808,
7.0886

■ 24.6566, 24.4943,
38.4564

■ 17.6914, 20.4989,
5.5069

■ 25.9961, 25.1686,
45.0837

■ 17.3943, 20.2497,
4.3441

■ 27.4636, 25.8949,
52.3816

■ 17.1695, 20.0303,
3.5597

■ 29.0622, 26.6745,
60.3682

■ 17.0045, 19.8356,
3.0875

■ 30.7955, 27.5087,
69.0611

■ 16.9422, 19.7582,
2.9208

■ 32.6666, 28.3989,
78.4770

Harmonies

Analogous

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



21.7402, 22.2858, 18.1746



20.5013, 22.2858, 18.2600



19.4843, 22.2858, 19.8488

Triad

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



20.5013, 22.2858, 18.2600



19.5778, 22.2858, 29.6145



23.6034, 22.2858, 25.8849

Complementary

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



20.5013, 22.2858, 18.2600



16.5147, 16.6336, 24.1703

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.



22.9755, 22.2858, 29.2930



20.5013, 22.2858, 18.2600



20.6335, 22.2858, 31.5845

Square

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



20.5013, 22.2858, 18.2600



18.9656, 22.2858, 26.2900



21.8776, 22.2858, 31.4614



23.5646, 22.2858, 22.3476

Rectangle

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



20.5013, 22.2858, 18.2600



19.0544, 22.2858, 21.6443



21.8776, 22.2858, 31.4614



23.4623, 22.2858, 27.0902

Sweetspot

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



20.5019, 22.2868, 18.2605



37.7690, 40.1769, 40.0902



18.1279, 17.4457, 17.7561



8.7705, 9.3415, 9.2237



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.



20.5019, 22.2868, 18.2605



35.6228, 38.9779, 29.8385



19.2250, 21.8284, 18.2393



5.0213, 5.3861, 5.0043



16.4051, 19.1328, 2.8284



0.0583, 0.0692, 0.0103

Inverse Universe

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



16.5147, 16.6336, 24.1703



27.2500, 27.1070, 42.2491



17.6579, 17.0605, 24.1924



4.4509, 4.5775, 5.8497



4.0997, 1.7472, 21.2579



0.0153, 0.0082, 0.0740

Previews

White Background



This preview shows how the XYZ color 20.5013, 22.2858, 18.2600 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 20.5013, 22.2858, 18.2600 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 20.5013, 22.2858, 18.2600

Background



This preview shows how black text looks on a background with the XYZ color 20.5013, 22.2858, 18.2600.



This preview shows how white text looks on a background with the XYZ color 20.5013, 22.2858,

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

20.5013, 22.2858, 18.2600

Protanopia

21.1136, 22.4094, 17.9645

Deuteranopia

22.6527, 22.2266, 18.4255



Tritanopia

22.2581, 22.2191, 26.7825

Trichromacy



Original Color

20.5013, 22.2858, 18.2600

Protanomaly

20.7888, 22.2419, 17.9493

Deuteranomaly

21.8417, 22.1882, 18.4608

Tritanomaly

21.6071, 22.1478, 23.5582

Monochromacy



Original Color

20.5013, 22.2858, 18.2600

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7014, 22.1162, 21.5901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5013, 22.2858, 18.2600 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(132, 131, 111)` looks like.

```
.text, #text, p{  
    color:rgb(132, 131, 111)  
}
```

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(132, 131, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 131, 111) }
```

Border

The CSS property to change the border of an element to XYZ 20.5013, 22.2858, 18.2600 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(132, 131, 111) }
```


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

```
.border{ border-color:rgb(132, 131, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 131, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 131, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 131, 111);  
box-shadow:4px 4px 4px 4px rgb(132, 131,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5013, 22.2858, 18.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 131, 111) }
```

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

```
.background{ background-color: rgb(132,  
131, 111) }
```

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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