

Converting Colors

XYZ(22.7996, 25.8477, 16.7599)

Have a look what the booklet for
XYZ(22.7996, 25.8477, 16.7599)
contains.

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Color

**XYZ(22.8192, 25.8344,
16.8806)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8E68
RGB	139, 142, 104
RGB Percent	55%, 56%, 41%
CMY	0.4549, 0.4431, 0.5922
CMYK	0.02, 0.00, 0.27, 0.44
HSL	65°, 15%, 48%
HSV	65°, 27%, 56%
XYZ	22.8192, 25.8344, 16.8806
YIQ	136.7710, 10.4100, -12.4540

Conversions

Conversions Part 2

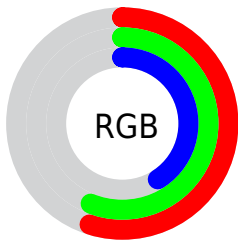
Format	Color
RYB	104, 142, 107
Decimal	9145960
CIELab	57.88, -7.69, 19.94
CIELCh	58, 21.367, 111.085
Yxy	25.8344, 0.3482, 0.3942
Android (android.graphics.Color)	4287336040 (0xFF8B8E68)
YUV	136.7710, -16.1561, 1.9548
Hunter-Lab	50.8276, -8.8100, 15.8882

Details

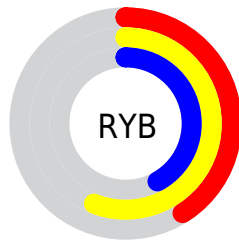
The XYZ color **22.8192, 25.8344, 16.8806** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.8971, 14.9801, 27.6461**, and the grayscale version is **23.7482, 24.9850, 27.2087**.

A 20% lighter version of the original color is **47.6486, 53.1839, 38.7645**, and **8.5655, 10.0145, 5.2229** is the 20% darker color. If you saturate the color by 10%, you get **21.9717, 25.4748, 13.3876**, and if you desaturate by 10%, it is **23.7915, 26.2459, 21.0145**.

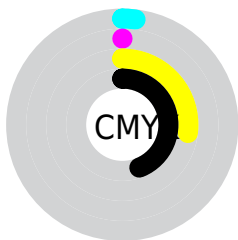
Distribution



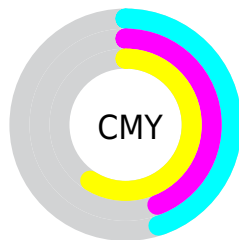
- Red (55%)
- Green (56%)
- Blue (41%)



- Red (41%)
- Yellow (56%)
- Blue (42%)



- Cyan (2%)
- Magenta (0%)
- Yellow (27%)
- Black (44%)



- Cyan (45%)
- Magenta (44%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8192, 25.8344, 16.8806 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 22.8192, 25.8344, 16.8806 by changing the saturation by 10% instead.

■ 22.8192, 25.8344,
16.8806

■ 22.8192, 25.8344,
16.8806

259.3477,
281.9682, 246.5040

■ 14.5800, 16.6998,
9.9883

■ 47.5651, 53.0077,
38.9082

■ 8.6096, 10.0207,
5.2857

■ 64.8026, 71.8151,
54.8806

■ 4.5425, 5.4127,
2.3542

■ 85.7702, 94.6157,
74.7169

■ 2.0134, 2.4914,
0.7613

■ 110.8333,
121.7937, 98.8354

■ 0.6415, 0.8723,
0.0000

140.3572,
153.7335, 127.6549

■ 0.0000, 0.0000,
0.0000

174.7074,

190.8196, 161.5938

214.2491,
233.4364, 201.0706

■ 22.8192, 25.8344,
16.8806

■ 22.8192, 25.8344,
16.8806

■ 21.9717, 25.4748,
13.3876

■ 23.7915, 26.2459,
21.0145

■ 21.2409, 25.1611,
10.5020

■ 24.8921, 26.7082,
25.8176

■ 20.6208, 24.8920,
8.1895

■ 26.1272, 27.2244,
31.3183

■ 20.1041, 24.6644,
6.4117

■ 27.5017, 27.7966,
37.5430

■ 19.6827, 24.4752,
5.1256

■ 29.0203, 28.4267,
44.5165

■ 19.3471, 24.3206,
4.2818

■ 30.6876, 29.1165,
52.2627

■ 19.0815, 24.1941,
3.7963

■ 32.5078, 29.8677,
60.8043

■ 19.0000, 24.1550,
3.6610

■ 34.4852, 30.6820,
70.1631

■ 36.6237, 31.5610,
80.3601

Harmonies

Analogous

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



25.3288, 25.8344, 16.3340



22.8192, 25.8344, 16.8806



20.9062, 25.8344, 20.1411

Triad

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



22.8192, 25.8344, 16.8806



21.5789, 25.8344, 40.6438



29.7688, 25.8344, 30.3805

Complementary

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



22.8192, 25.8344, 16.8806



15.8971, 14.9801, 27.6461

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.



28.6050, 25.8344, 37.9914



22.8192, 25.8344, 16.8806



23.7968, 25.8344, 44.5598

Square

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



22.8192, 25.8344, 16.8806



20.2256, 25.8344, 33.5354



26.3763, 25.8344, 43.5125



29.4615, 25.8344, 23.3378

Rectangle

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



22.8192, 25.8344, 16.8806



20.1694, 25.8344, 23.7855



26.3763, 25.8344, 43.5125



29.5338, 25.8344, 32.9721

Sweetspot

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



22.8199, 25.8356, 16.8811



43.6060, 46.9750, 44.2616



18.8640, 17.1693, 15.4169



9.6783, 10.4663, 9.6170



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



22.8199, 25.8356, 16.8811



39.3301, 45.1705, 25.9970



19.9832, 24.3732, 16.7484



5.7981, 6.2641, 5.7929



17.0654, 21.6901, 3.2872



0.1712, 0.2115, 0.0318

Inverse Universe

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



15.8971, 14.9801, 27.6461



25.0521, 22.7783, 48.2041



18.3691, 16.2545, 27.7618



5.1667, 5.2741, 6.7745



4.5175, 1.8225, 23.0908



0.0495, 0.0207, 0.2211

Previews

White Background



This preview shows how the XYZ color 22.8192, 25.8344, 16.8806 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 22.8192, 25.8344, 16.8806 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

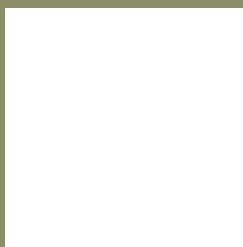
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8192, 25.8344, 16.8806

Background



This preview shows how black text looks on a background with the XYZ color 22.8192, 25.8344, 16.8806.



This preview shows how white text looks on a background with the XYZ color 22.8192, 25.8344,

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

22.8192, 25.8344, 16.8806

Protanopia

24.0752, 25.8341, 16.5495

Deuteranopia

26.0933, 25.6022, 17.2021



Tritanopia

25.7477, 25.7346, 31.2140

Trichromacy



Original Color

22.8192, 25.8344, 16.8806

Protanomaly

23.5033, 25.7552, 16.5645

Deuteranomaly

24.6804, 25.4983, 16.9855

Tritanomaly

24.5129, 25.6553, 25.1327

Monochromacy



Original Color

22.8192, 25.8344, 16.8806

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.4155, 25.3492, 23.0608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8192, 25.8344, 16.8806 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(139, 142, 104)` looks like.

```
.text, #text, p{  
    color:rgb(139, 142, 104)  
}
```

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(139, 142, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 142, 104) }
```

Border

The CSS property to change the border of an element to XYZ 22.8192, 25.8344, 16.8806 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(139, 142, 104) }
```


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

```
.border{ border-color:rgb(139, 142, 104) }
```

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

Here you see how a box with a 4 pixel rgb(139, 142, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 142, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 142, 104);  
box-shadow:4px 4px 4px 4px rgb(139, 142,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8192, 25.8344, 16.8806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 142, 104) }
```

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

```
.background{ background-color: rgb(139,  
142, 104) }
```

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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