

Converting Colors

XYZ(21.8716, 25.5302, 16.5587)

Have a look what the booklet for
XYZ(21.8716, 25.5302, 16.5587)
contains.

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Color

**XYZ(21.9435, 25.6107,
16.6188)**

Conversions

Conversions Part 1

Format	Color
Hex	858F67
RGB	133, 143, 103
RGB Percent	52%, 56%, 40%
CMY	0.4784, 0.4392, 0.5961
CMYK	0.07, 0.00, 0.28, 0.44
HSL	75°, 16%, 48%
HSV	75°, 28%, 56%
XYZ	21.9435, 25.6107, 16.6188
YIQ	135.4500, 6.8800, -14.5600

Conversions

Conversions Part 2

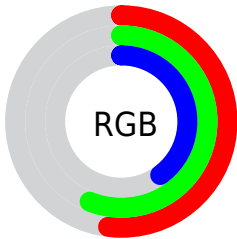
Format	Color
R_{YB}	103, 143, 113
Decimal	8752999
CIE _{Lab}	57.67, -10.79, 20.13
CIE _{LCh}	58, 22.837, 118.201
Yxy	25.6107, 0.3419, 0.3991
Android (android.graphics.Color)	4286943079 (0xFF858F67)
YUV	135.4500, -15.9978, -2.1486
Hunter-Lab	50.6070, -11.1636, 15.9547

Details

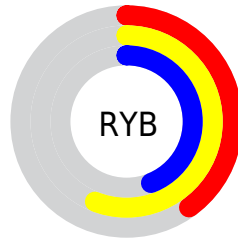
The XYZ color **21.9435, 25.6107, 16.6188** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.6192, 15.1951, 28.0450**, and the grayscale version is **23.2528, 24.4638, 26.6411**.

A 20% lighter version of the original color is **46.0487, 52.7047, 38.3178**, and **8.1954, 9.9532, 5.2306** is the 20% darker color. If you saturate the color by 10%, you get **20.7315, 25.0626, 13.1304**, and if you desaturate by 10%, it is **23.2989, 26.2201, 20.7558**.

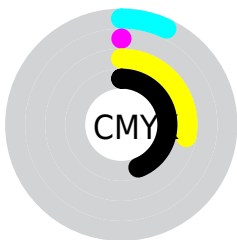
Distribution



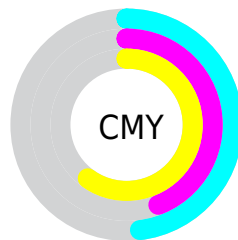
- Red (52%)
- Green (56%)
- Blue (40%)



- Red (40%)
- Yellow (56%)
- Blue (44%)



- Cyan (7%)
- Magenta (0%)
- Yellow (28%)
- Black (44%)



- Cyan (48%)
- Magenta (44%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9435, 25.6107, 16.6188 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 21.9435, 25.6107, 16.6188 by changing the saturation by 10% instead.

■ 21.9435, 25.6107,
16.6188

■ 21.9435, 25.6107,
16.6188

254.8890,
280.8658, 244.9351

■ 13.9318, 16.5326,
9.8040

■ 46.1321, 52.6462,
38.4508

■ 8.1546, 9.9018,
5.1653

■ 63.0398, 71.3725,
54.3051

■ 4.2467, 5.3339,
2.2841

■ 83.6434, 94.0836,
74.0097

■ 1.8426, 2.4445,
0.7223

■ 108.3084,
121.1640, 97.9830

■ 0.5431, 0.8486,
0.0000

137.4001,
152.9980, 126.6437

■ 0.0000, 0.0000,
0.0000

171.2838,

189.9700, 160.4102

210.3250,
232.4645, 199.7012

■ 21.9435, 25.6107,
16.6188

■ 21.9435, 25.6107,
16.6188

■ 20.7315, 25.0626,
13.1304

■ 23.2989, 26.2201,
20.7558

■ 19.6544, 24.5699,
10.2562

■ 24.8016, 26.8897,
25.5704

■ 18.7059, 24.1307,
7.9607

■ 26.4579, 27.6231,
31.0917

■ 17.8783, 23.7421,
6.2046

■ 28.2732, 28.4223,
37.3467

■ 17.1630, 23.4005,
4.9433

■ 30.2524, 29.2895,
44.3610

■ 16.5500, 23.1020,
4.1254

■ 32.4004, 30.2264,
52.1590

■ 16.0194, 22.8385,
3.6472

■ 34.7218, 31.2351,
60.7638

■ 15.9157, 22.7869,
3.5595

■ 37.2209, 32.3172,
70.1977

■ 39.9020, 33.4745,
80.4823

Harmonies

Analogous

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



24.5074, 25.6107, 15.3910



21.9435, 25.6107, 16.6188



20.1455, 25.6107, 20.6867

Triad

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



21.9435, 25.6107, 16.6188



21.6781, 25.6107, 42.7235



29.9784, 25.6107, 28.3605

Complementary

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



21.9435, 25.6107, 16.6188



16.6192, 15.1951, 28.0450

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.



29.0846, 25.6107, 36.5867



21.9435, 25.6107, 16.6188



24.1777, 25.6107, 45.7845

Square

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



21.9435, 25.6107, 16.6188



20.0006, 25.6107, 35.6154



26.9096, 25.6107, 43.3540



29.2706, 25.6107, 21.3640

Rectangle

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



21.9435, 25.6107, 16.6188



19.5543, 25.6107, 24.9217



26.9096, 25.6107, 43.3540



29.8540, 25.6107, 31.0759

Sweetspot

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



21.9442, 25.6118, 16.6193



44.3580, 48.1282, 45.6089



19.6819, 18.6299, 15.3909



10.0829, 10.9972, 10.1679



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.



21.9442, 25.6118, 16.6193



37.8044, 45.1897, 25.4226



19.0815, 24.1361, 16.4854



5.7097, 6.2185, 5.7887



14.0915, 20.1570, 3.1480



0.1548, 0.2031, 0.0310

Inverse Universe

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



16.6192, 15.1951, 28.0450



26.5394, 23.1445, 49.6066



19.4819, 16.6708, 28.1790



5.2481, 5.3161, 6.7783



5.0367, 2.0901, 23.1150



0.0659, 0.0291, 0.2218

Previews

White Background



This preview shows how the XYZ color 21.9435, 25.6107, 16.6188 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 21.9435, 25.6107, 16.6188 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

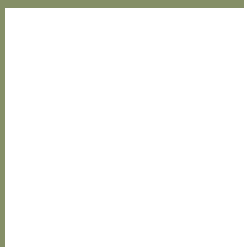
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9435, 25.6107, 16.6188

Background



This preview shows how black text looks on a background with the XYZ color 21.9435, 25.6107, 16.6188.



This preview shows how white text looks on a background with the XYZ color 21.9435, 25.6107,

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

21.9435, 25.6107, 16.6188

Protanopia

23.8319, 25.5061, 15.9790

Deuteranopia

26.0416, 25.5815, 16.9298



Tritanopia

24.9384, 25.5184, 31.6281

Trichromacy



Original Color

21.9435, 25.6107, 16.6188

Protanomaly

23.1040, 25.5551, 16.2853

Deuteranomaly

24.3932, 25.5662, 16.7458

Tritanomaly

23.7140, 25.4495, 25.4922

Monochromacy



Original Color

21.9435, 25.6107, 16.6188

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.4951, 24.6754, 22.3161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9435, 25.6107, 16.6188 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, 143, 103)` looks like.

```
.text, #text, p{  
    color:rgb(133, 143, 103)  
}
```

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, 143, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 143, 103) }
```

Border

The CSS property to change the border of an element to XYZ 21.9435, 25.6107, 16.6188 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, 143, 103) }
```


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

```
.border{ border-color:rgb(133, 143, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 143, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 143, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 143, 103);  
box-shadow:4px 4px 4px 4px rgb(133, 143,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9435, 25.6107, 16.6188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 143, 103) }
```

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

```
.background{ background-color: rgb(133,  
143, 103) }
```

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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