

Converting Colors

XYZ(21.5747, 23.4818, 23.7657)

Have a look what the booklet for
XYZ(21.5747, 23.4818, 23.7657)
contains.

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Color

**XYZ(21.6135, 23.5536,
23.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	818780
RGB	129, 135, 128
RGB Percent	51%, 53%, 50%
CMY	0.4941, 0.4706, 0.4980
CMYK	0.04, 0.00, 0.05, 0.47
HSL	111°, 3%, 52%
HSV	111°, 5%, 53%
XYZ	21.6135, 23.5536, 23.8292
YIQ	132.4080, -1.3290, -3.4490

Conversions

Conversions Part 2

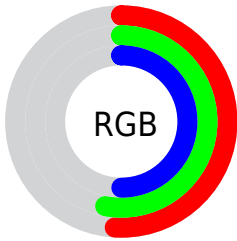
Format	Color
R_{YB}	128, 135, 134
Decimal	8488832
CIE _{Lab}	55.64, -3.60, 2.99
CIE _{LCh}	56, 4.677, 140.291
Yxy	23.5536, 0.3133, 0.3414
Android (android.graphics.Color)	4286678912 (0xFF818780)
YUV	132.4080, -2.1731, -2.9888
Hunter-Lab	48.5321, -5.4370, 4.8611

Details

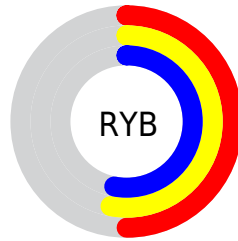
The XYZ color **21.6135, 23.5536, 23.8292** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.9248, 22.2566, 26.0633**, and the grayscale version is **22.0880, 23.2383, 25.3065**.

A 20% lighter version of the original color is **45.6151, 49.2477, 50.8176**, and **7.9680, 8.7670, 8.6694** is the 20% darker color. If you saturate the color by 10%, you get **19.1240, 22.3668, 19.3787**, and if you desaturate by 10%, it is **24.4217, 24.8923, 28.9129**.

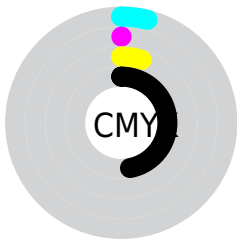
Distribution



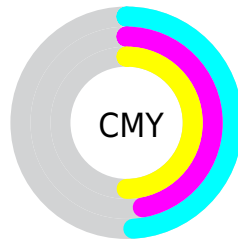
- Red (51%)
- Green (53%)
- Blue (50%)



- Red (50%)
- Yellow (53%)
- Blue (53%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)



- Cyan (49%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6135, 23.5536, 23.8292 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 21.6135, 23.5536, 23.8292 by changing the saturation by 10% instead.

■ 21.6135, 23.5536,
23.8292

■ 21.6135, 23.5536,
23.8292

253.1917,
270.5558, 285.2145

■ 13.6882, 15.0028,
14.9959

■ 45.5900, 49.3008,
50.6917

■ 7.9844, 8.8214,
8.6699

■ 62.3719, 67.2659,
69.5580

■ 4.1367, 4.6248,
4.4327

■ 82.8367, 89.1380,
92.6057

■ 1.7797, 2.0289,
1.8656

107.3497,
115.3013, 120.2534

■ 0.5054, 0.6242,
0.4707

136.2764,
146.1404, 152.9195

■ 0.0000, 0.0000,
0.0000

169.9820,

182.0396, 191.0228

208.8320,
223.3832, 234.9816

■ 21.6135, 23.5536,
23.8292

■ 21.6135, 23.5536,
23.8292

■ 19.1240, 22.3668,
19.3787

■ 24.4217, 24.8923,
28.9129

■ 16.9400, 21.3238,
15.5351

■ 27.5573, 26.3851,
34.6515

■ 15.0503, 20.4198,
12.2725

■ 31.0312, 28.0375,
41.0677

■ 13.4421, 19.6491,
9.5627

■ 34.8531, 29.8542,
48.1827

■ 12.1019, 19.0052,
7.3750

■ 39.0323, 31.8396,
56.0167

■ 11.0147, 18.4812,
5.6759

■ 43.5778, 33.9979,
64.5890

■ 10.1645, 18.0697,
4.4278

■ 48.4983, 36.3331,
73.9183

■ 9.5329, 17.7620,
3.5877

■ 53.8022, 38.8492,
84.0226

■ 9.0971, 17.5478,
3.0942

■ 59.4976, 41.5500,
94.9193

Harmonies

Analogous

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



22.0361, 23.5536, 23.0092



21.6135, 23.5536, 23.8292



21.3992, 23.5536, 25.1577

Triad

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



21.6135, 23.5536, 23.8292



22.2159, 23.5536, 28.6260



23.3547, 23.5536, 24.6488

Complementary

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



21.6135, 23.5536, 23.8292



21.9248, 22.2566, 26.0633

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.



23.4047, 23.5536, 26.1404



21.6135, 23.5536, 23.8292



22.7416, 23.5536, 28.4766

Square

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



21.6135, 23.5536, 23.8292



21.7433, 23.5536, 27.9530



23.1787, 23.5536, 27.5526



23.0432, 23.5536, 23.4693

Rectangle

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



21.6135, 23.5536, 23.8292



21.4009, 23.5536, 26.1698



23.1787, 23.5536, 27.5526



23.4029, 23.5536, 25.1289

Sweetspot

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



21.6142, 23.5546, 23.8297



40.2223, 42.9029, 45.4082



22.4072, 23.7469, 23.8250



9.3306, 9.9432, 10.5442



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



21.6142, 23.5546, 23.8297



38.2582, 41.9666, 41.8691



21.6263, 23.5420, 24.6827



4.8328, 5.3102, 5.2788



8.2495, 16.1127, 2.6753



0.0322, 0.0577, 0.0094

Inverse Universe

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



21.9248, 22.2566, 26.0633



38.9120, 39.2345, 46.5705



21.9143, 22.2709, 25.1723



4.9188, 4.9509, 5.8971



10.6491, 5.0240, 21.5451



0.0413, 0.0197, 0.0748

Previews

White Background



This preview shows how the XYZ color 21.6135, 23.5536, 23.8292 looks on a white background.

Color Contrast Check

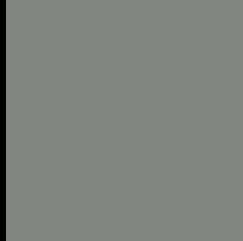
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6135, 23.5536, 23.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

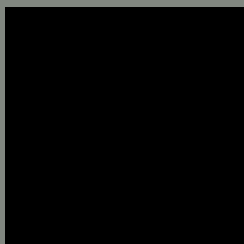
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

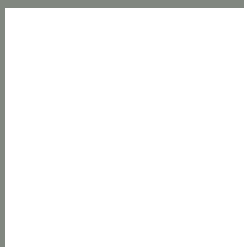
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6135, 23.5536, 23.8292

Background



This preview shows how black text looks on a background with the XYZ color 21.6135, 23.5536, 23.8292.



This preview shows how white text looks on a background with the XYZ color 21.6135, 23.5536,

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

21.6135, 23.5536, 23.8292

Protanopia

22.5348, 23.6257, 23.4512

Deuteranopia

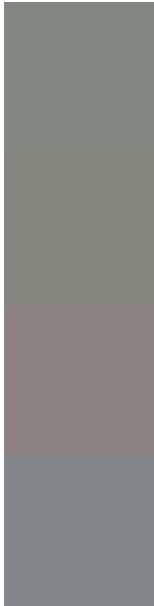
23.8453, 23.4885, 24.0458



Tritanopia

22.7055, 23.5835, 29.3420

Trichromacy



Original Color

21.6135, 23.5536, 23.8292

Protanomaly

22.1874, 23.6508, 23.4743

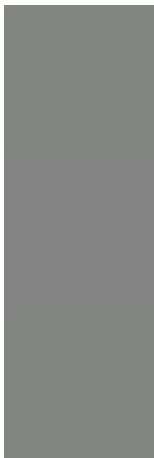
Deuteranomaly

22.8940, 23.3930, 24.0775

Tritanomaly

22.3185, 23.6310, 27.4297

Monochromacy



Original Color

21.6135, 23.5536, 23.8292

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.8443, 23.2390, 24.8070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6135, 23.5536, 23.8292 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(129, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(129, 135, 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(129, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 135, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.6135, 23.5536, 23.8292 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(129, 135, 128) }
```


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

```
.border{ border-color:rgb(129, 135, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 135, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 135, 128); box-shadow:4px 4px 4px 4px rgb(129, 135, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6135, 23.5536, 23.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 135, 128) }
```

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

```
.background{ background-color: rgb(129,  
135, 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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