

Converting Colors

XYZ(21.5580, 23.0388, 23.4907)

Have a look what the booklet for
XYZ(21.5580, 23.0388, 23.4907)
contains.

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Color

**XYZ(21.5784, 23.1327,
23.4064)**

Conversions

Conversions Part 1

Format	Color
Hex	83857F
RGB	131, 133, 127
RGB Percent	51%, 52%, 50%
CMY	0.4863, 0.4784, 0.5020
CMYK	0.02, 0.00, 0.05, 0.48
HSL	80°, 2%, 51%
HSV	80°, 5%, 52%
XYZ	21.5784, 23.1327, 23.4064
YIQ	131.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

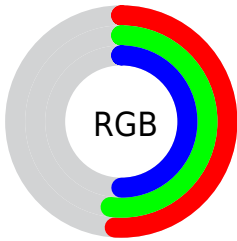
Format	Color
R_{YB}	127, 133, 129
Decimal	8619391
CIE Lab	55.21, -1.91, 2.97
CIE LCh	55, 3.529, 122.828
Yxy	23.1327, 0.3168, 0.3396
Android (android.graphics.Color)	4286809471 (0xFF83857F)
YUV	131.7180, -2.3260, -0.6297
Hunter-Lab	48.0965, -4.0851, 4.8137

Details

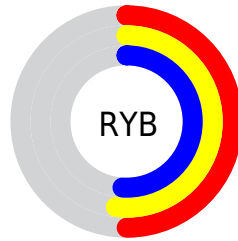
The XYZ color **21.5784, 23.1327, 23.4064** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.8771, 21.5399, 25.2488**, and the grayscale version is **21.8391, 22.9764, 25.0213**.

A 20% lighter version of the original color is **45.5643, 48.6034, 50.1599**, and **8.0251, 8.6845, 8.4610** is the 20% darker color. If you saturate the color by 10%, you get **20.0958, 22.4627, 19.1070**, and if you desaturate by 10%, it is **23.2062, 23.8657, 28.3110**.

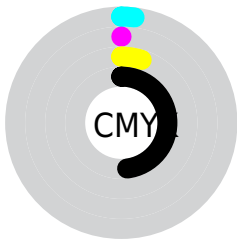
Distribution



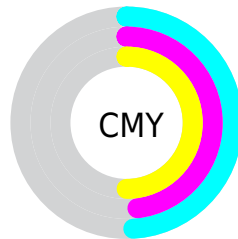
- Red (51%)
- Green (52%)
- Blue (50%)



- Red (50%)
- Yellow (52%)
- Blue (51%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5784, 23.1327, 23.4064 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 21.5784, 23.1327, 23.4064 by changing the saturation by 10% instead.

■ 21.5784, 23.1327,
23.4064

■ 21.5784, 23.1327,
23.4064

253.0106,
268.4058, 282.9948

■ 13.6623, 14.6915,
14.6858

■ 45.5322, 48.6111,
49.9914

■ 7.9663, 8.6032,
8.4550

■ 62.3007, 66.4172,
68.6929

■ 4.1250, 4.4833,
4.2955

■ 82.7507, 88.1136,
91.5583

■ 1.7731, 1.9474,
1.7888

107.2475,
114.0849, 119.0063

■ 0.5014, 0.5766,
0.4206

136.1566,
144.7153, 151.4555

■ 0.0000, 0.0000,
0.0000

169.8432,

180.3894, 189.3242

208.6727,
221.4914, 233.0311

■ 21.5784, 23.1327,
23.4064

■ 21.5784, 23.1327,
23.4064

■ 20.0958, 22.4627,
19.1070

■ 23.2062, 23.8657,
28.3110

■ 18.7517, 21.8507,
15.3877

■ 24.9818, 24.6604,
33.8414

■ 17.5415, 21.2956,
12.2242

■ 26.9102, 25.5198,
40.0192

■ 16.4599, 20.7952,
9.5896

■ 28.9956, 26.4455,
46.8644

■ 15.5009, 20.3471,
7.4549

■ 31.2419, 27.4392,
54.3962

■ 14.6581, 19.9486,
5.7883

■ 33.6530, 28.5023,
62.6331

■ 13.9243, 19.5969,
4.5544

■ 36.2326, 29.6365,
71.5927

■ 13.2915, 19.2886,
3.7126

■ 38.9842, 30.8432,
81.2921

■ 12.7490, 19.0196,
3.2088

■ 41.9112, 32.1237,
91.7479

Harmonies

Analogous

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



21.9495, 23.1327, 23.0802



21.5784, 23.1327, 23.4064



21.3192, 23.1327, 24.2088

Triad

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



21.5784, 23.1327, 23.4064



21.6425, 23.1327, 27.1695



22.7530, 23.1327, 25.0806

Complementary

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



21.5784, 23.1327, 23.4064



20.8771, 21.5399, 25.2488

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.



22.6685, 23.1327, 26.1924



21.5784, 23.1327, 23.4064



22.0244, 23.1327, 27.4195

Square

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



21.5784, 23.1327, 23.4064



21.3559, 23.1327, 26.3834



22.4006, 23.1327, 27.0569



22.6303, 23.1327, 24.0285

Rectangle

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



21.5784, 23.1327, 23.4064



21.2431, 23.1327, 24.9174



22.4006, 23.1327, 27.0569



22.7479, 23.1327, 25.4597

Sweetspot

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



21.5790, 23.1337, 23.4069



39.6289, 41.8704, 44.8549



21.3547, 22.2201, 23.2424



8.9326, 9.4351, 10.1192



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.



21.5790, 23.1337, 23.4069



38.4749, 41.3503, 41.4222



21.1211, 22.8976, 23.3855



5.0223, 5.4058, 5.3826



11.8885, 17.9887, 2.8456



0.0489, 0.0663, 0.0102

Inverse Universe

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



20.8771, 21.5399, 25.2488



37.0562, 38.1290, 45.1450



21.3396, 21.7783, 25.2705



4.8240, 4.9555, 5.9030



5.0451, 2.1350, 21.2829



0.0246, 0.0111, 0.0741

Previews

White Background



This preview shows how the XYZ color 21.5784, 23.1327, 23.4064 looks on a white background.

Color Contrast Check

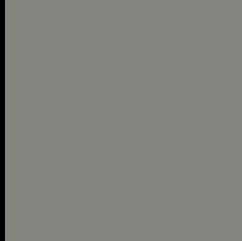
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5784, 23.1327, 23.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

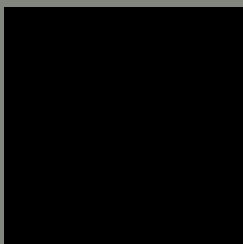
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

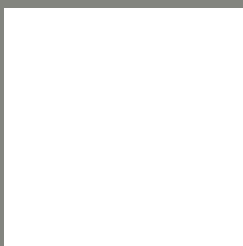
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5784, 23.1327, 23.4064

Background



This preview shows how black text looks on a background with the XYZ color 21.5784, 23.1327, 23.4064.



This preview shows how white text looks on a background with the XYZ color 21.5784, 23.1327,

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

21.5784, 23.1327, 23.4064

Protanopia

22.1705, 23.2431, 23.0565

Deuteranopia

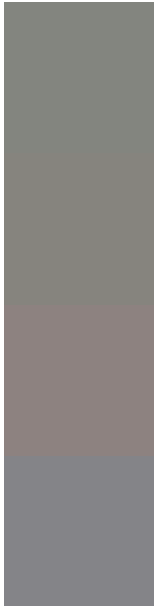
23.4695, 23.1078, 23.6454



Tritanopia

22.5969, 23.1422, 28.4752

Trichromacy



Original Color

21.5784, 23.1327, 23.4064

Protanomaly

21.8487, 23.0772, 23.0415

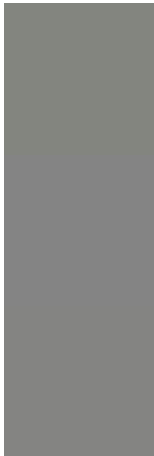
Deuteranomaly

22.8634, 23.1865, 23.6925

Tritanomaly

22.2109, 23.1856, 26.5972

Monochromacy



Original Color

21.5784, 23.1327, 23.4064

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.7962, 23.0198, 24.4136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5784, 23.1327, 23.4064 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(131, 133, 127)` looks like.

```
.text, #text, p{  
    color:rgb(131, 133, 127)  
}
```

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(131, 133, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 133, 127) }
```

Border

The CSS property to change the border of an element to XYZ 21.5784, 23.1327, 23.4064 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(131, 133, 127) }
```


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

```
.border{ border-color:rgb(131, 133, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 133, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 133, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 133, 127);  
box-shadow:4px 4px 4px 4px rgb(131, 133,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5784, 23.1327, 23.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 133, 127) }
```

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

```
.background{ background-color: rgb(131,  
133, 127) }
```

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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