

Converting Colors

XYZ(21.7305, 23.6085, 25.5198)

Have a look what the booklet for
XYZ(21.7305, 23.6085, 25.5198)
contains.

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Color

**XYZ(21.7997, 23.6106,
25.5986)**

Conversions

Conversions Part 1

Format	Color
Hex	808785
RGB	128, 135, 133
RGB Percent	50%, 53%, 52%
CMY	0.4980, 0.4706, 0.4784
CMYK	0.05, 0.00, 0.01, 0.47
HSL	163°, 3%, 52%
HSV	163°, 5%, 53%
XYZ	21.7997, 23.6106, 25.5986
YIQ	132.6790, -3.5300, -2.1060

Conversions

Conversions Part 2

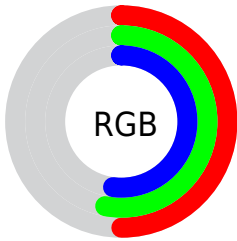
Format	Color
R_{YB}	128, 132, 135
Decimal	8423301
CIE _{Lab}	55.70, -2.97, 0.18
CIE _{LCh}	56, 2.978, 176.622
Yxy	23.6106, 0.3070, 0.3325
Android (android.graphics.Color)	4286613381 (0xFF808785)
YUV	132.6790, 0.1583, -4.1035
Hunter-Lab	48.5907, -4.9517, 2.7783

Details

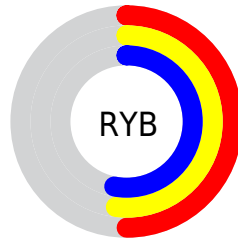
The XYZ color **21.7997, 23.6106, 25.5986** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7410, 22.2016, 24.2597**, and the grayscale version is **22.1786, 23.3336, 25.4103**.

A 20% lighter version of the original color is **45.9022, 49.3354, 53.5577**, and **8.0732, 8.7994, 9.6604** is the 20% darker color. If you saturate the color by 10%, you get **19.6410, 22.5286, 24.1311**, and if you desaturate by 10%, it is **24.2398, 24.8378, 27.1314**.

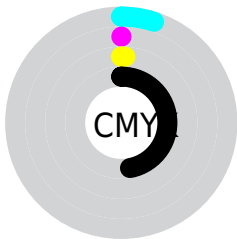
Distribution



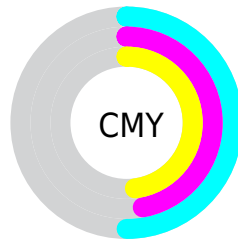
- Red (50%)
- Green (53%)
- Blue (52%)



- Red (50%)
- Yellow (52%)
- Blue (53%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (47%)



- Cyan (50%)
- Magenta (47%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7997, 23.6106, 25.5986 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 21.7997, 23.6106, 25.5986 by changing the saturation by 10% instead.

■ 21.7997, 23.6106,
25.5986

■ 21.7997, 23.6106,
25.5986

254.1505,
270.8458, 294.3486

■ 13.8256, 15.0450,
16.3005

■ 45.8960, 49.3940,
53.6028

■ 8.0803, 8.8510,
9.5804

■ 62.7490, 67.3806,
73.1460

■ 4.1986, 4.6441,
5.0197

■ 83.2922, 89.2764,
96.9413

■ 1.8151, 2.0400,
2.1999

107.8911,
115.4656, 125.4073

■ 0.5268, 0.6306,
0.6743

136.9111,
146.3328, 158.9624

■ 0.0000, 0.0000,
0.0000

170.7174,

182.2623, 198.0253

209.6754,
223.6385, 243.0145

■ 21.7997, 23.6106,
25.5986

■ 21.7997, 23.6106,
25.5986

■ 19.6410, 22.5286,
24.1311

■ 24.2398, 24.8378,
27.1314

■ 17.7509, 21.5834,
22.7263

■ 26.9694, 26.2124,
28.7290

■ 16.1187, 20.7700,
21.3837

■ 29.9987, 27.7404,
30.3929

■ 14.7323, 20.0822,
20.1022

■ 33.3368, 29.4264,
32.1240

■ 13.5783, 19.5132,
18.8804

■ 36.9926, 31.2750,
33.9233

■ 12.6423, 19.0554,
17.7173

■ 40.9744, 33.2905,
35.7915

■ 11.9080, 18.7006,
16.6114

■ 45.2904, 35.4770,
37.7297

■ 11.3569, 18.4392,
15.5612

■ 49.9482, 37.8385,
39.7387

■ 10.9625, 18.2575,
14.5650

■ 54.9555, 40.3790,
41.8192

Harmonies

Analogous

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



21.9037, 23.6106, 24.6992



21.7997, 23.6106, 25.5986



21.8661, 23.6106, 26.5496

Triad

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



21.7997, 23.6106, 25.5986



22.7332, 23.6106, 27.4051



22.8000, 23.6106, 24.1873

Complementary

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



21.7997, 23.6106, 25.5986



21.7410, 22.2016, 24.2597

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.



23.0262, 23.6106, 24.8843



21.7997, 23.6106, 25.5986



22.9873, 23.6106, 26.7438

Square

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



21.7997, 23.6106, 25.5986



22.4030, 23.6106, 27.6078



23.0951, 23.6106, 25.8176



22.4794, 23.6106, 23.8973

Rectangle

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



21.7997, 23.6106, 25.5986



21.9985, 23.6106, 27.0823



23.0951, 23.6106, 25.8176



22.8897, 23.6106, 24.3809

Sweetspot

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



21.8004, 23.6116, 25.5991



40.3559, 42.9435, 46.6904



21.7823, 23.6413, 23.8376



9.3595, 9.9520, 10.8216



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.



21.8004, 23.6116, 25.5991



38.6506, 42.0871, 45.5867



21.7459, 23.2792, 26.2701



4.8844, 5.3261, 5.7675



9.9589, 16.7664, 13.0350



0.0377, 0.0593, 0.0618

Inverse Universe

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



21.7410, 22.2016, 24.2597



38.5256, 39.1191, 42.7675



21.7918, 22.5162, 23.6199



4.8680, 4.9357, 5.3967



9.5505, 4.8845, 2.2053



0.0359, 0.0181, 0.0225

Previews

White Background



This preview shows how the XYZ color 21.7997, 23.6106, 25.5986 looks on a white background.

Color Contrast Check

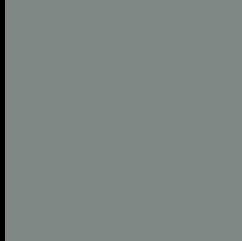
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7997, 23.6106, 25.5986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

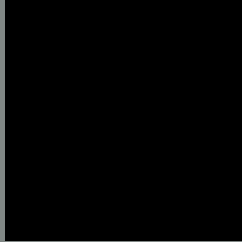
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

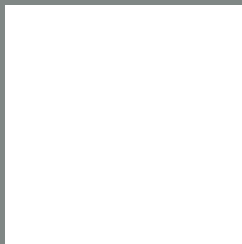
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7997, 23.6106, 25.5986

Background



This preview shows how black text looks on a background with the XYZ color 21.7997, 23.6106, 25.5986.



This preview shows how white text looks on a background with the XYZ color 21.7997, 23.6106,

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

21.7997, 23.6106, 25.5986

Protanopia

22.7057, 23.6752, 25.2029

Deuteranopia

24.0074, 23.5327, 25.8312



Tritanopia

22.6275, 23.5345, 29.7356

Trichromacy



Original Color

21.7997, 23.6106, 25.5986

Protanomaly

22.3628, 23.7027, 25.2262

Deuteranomaly

23.0668, 23.4428, 25.8634

Tritanomaly

22.3120, 23.6108, 28.1923

Monochromacy



Original Color

21.7997, 23.6106, 25.5986

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.1188, 23.5689, 25.5738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7997, 23.6106, 25.5986 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(128, 135, 133)` looks like.

```
.text, #text, p{  
    color:rgb(128, 135, 133)  
}
```

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(128, 135, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 135, 133) }
```

Border

The CSS property to change the border of an element to XYZ 21.7997, 23.6106, 25.5986 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(128, 135, 133) }
```


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

```
.border{ border-color:rgb(128, 135, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 135, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 135, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 135, 133);  
box-shadow:4px 4px 4px 4px rgb(128, 135,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7997, 23.6106, 25.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 135, 133) }
```

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

```
.background{ background-color: rgb(128,  
135, 133) }
```

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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