

Converting Colors

XYZ(21.5300, 23.6822, 17.9833)

Have a look what the booklet for
XYZ(21.5300, 23.6822, 17.9833)
contains.

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Color

**XYZ(21.4160, 23.5830,
17.8912)**

Conversions

Conversions Part 1

Format	Color
Hex	87876D
RGB	135, 135, 109
RGB Percent	53%, 53%, 43%
CMY	0.4706, 0.4706, 0.5725
CMYK	0.00, 0.00, 0.19, 0.47
HSL	60°, 11%, 48%
HSV	60°, 19%, 53%
XYZ	21.4160, 23.5830, 17.8912
YIQ	132.0360, 8.3460, -8.0860

Conversions

Conversions Part 2

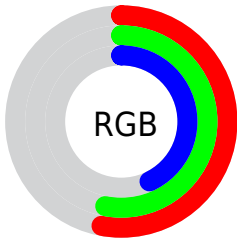
Format	Color
R_{YB}	109, 135, 109
Decimal	8882029
CIE Lab	55.67, -4.66, 14.02
CIE LCh	56, 14.775, 108.381
Yxy	23.5830, 0.3405, 0.3750
Android (android.graphics.Color)	4287072109 (0xFF87876D)
YUV	132.0360, -11.3567, 2.5994
Hunter-Lab	48.5623, -6.2655, 12.1502

Details

The XYZ color **21.4160, 23.5830, 17.8912** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1494, 15.9383, 25.1482**, and the grayscale version is **21.9832, 23.1281, 25.1864**.

A 20% lighter version of the original color is **45.1553, 49.2310, 40.8408**, and **7.8371, 8.7652, 5.6937** is the 20% darker color. If you saturate the color by 10%, you get **20.7444, 23.3151, 14.3531**, and if you desaturate by 10%, it is **22.2005, 23.8976, 22.0183**.

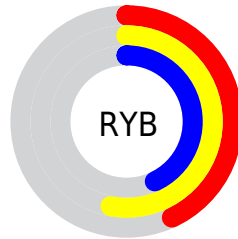
Distribution



Red (53%)

Green (53%)

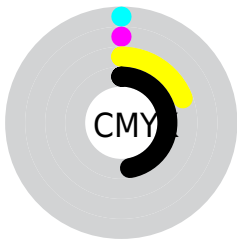
Blue (43%)



Red (43%)

Yellow (53%)

Blue (43%)

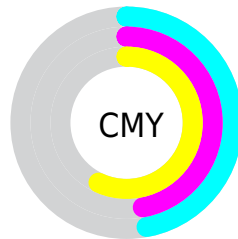


Cyan (0%)

Magenta (0%)

Yellow (19%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4160, 23.5830, 17.8912 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 21.4160, 23.5830, 17.8912 by changing the saturation by 10% instead.

■ 21.4160, 23.5830,
17.8912

■ 21.4160, 23.5830,
17.8912

252.1712,
270.7054, 252.4726

■ 13.5426, 15.0246,
10.7033

■ 45.2649, 49.3489,
40.6633

■ 7.8828, 8.8366,
5.7560

■ 61.9712, 67.3251,
57.0845

■ 4.0712, 4.6348,
2.6309

■ 82.3524, 89.2094,
77.4206

■ 1.7425, 2.0346,
0.9084

■ 106.7741,
115.3861, 102.0900

■ 0.4827, 0.6275,
0.0000

135.6014,
146.2397, 131.5114

■ 0.0000, 0.0000,
0.0000

169.1998,

182.1545, 166.1033

207.9346,
223.5149, 206.2842

■ 21.4160, 23.5830,
17.8912

■ 21.4160, 23.5830,
17.8912

■ 20.7444, 23.3151,
14.3531

■ 22.2005, 23.8976,
22.0183

■ 20.1788, 23.0888,
11.3758

■ 23.1008, 24.2578,
26.7579

■ 19.7142, 22.9030,
8.9309

■ 24.1220, 24.6663,
32.1341

■ 19.3448, 22.7552,
6.9870

■ 25.2683, 25.1248,
38.1693

■ 19.0640, 22.6429,
5.5095

■ 26.5438, 25.6351,
44.8847

■ 18.8643, 22.5630,
4.4594

■ 27.9524, 26.1985,
52.3006

■ 18.7372, 22.5121,
3.7911

■ 29.4976, 26.8166,
60.4365

■ 18.6597, 22.4811,
3.3845

■ 31.1831, 27.4909,
69.3111

■ 18.6542, 22.4789,
3.3557

■ 33.0124, 28.2226,
78.9423

Harmonies

Analogous

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



23.0690, 23.5830, 17.6711



21.4160, 23.5830, 17.8912



20.0955, 23.5830, 20.0332

Triad

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



21.4160, 23.5830, 17.8912



20.3459, 23.5830, 33.1976



25.7151, 23.5830, 27.5781

Complementary

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



21.4160, 23.5830, 17.8912



16.1494, 15.9383, 25.1482

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.



24.9063, 23.5830, 32.2943



21.4160, 23.5830, 17.8912



21.7734, 23.5830, 35.7980

Square

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



21.4160, 23.5830, 17.8912



19.4993, 23.5830, 28.6932



23.4445, 23.5830, 35.4482



25.6077, 23.5830, 22.8816

Rectangle

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



21.4160, 23.5830, 17.8912



19.5560, 23.5830, 22.4315



23.4445, 23.5830, 35.4482



25.5398, 23.5830, 29.2232

Sweetspot

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



21.4166, 23.5840, 17.8917



40.2358, 42.9861, 41.9616



18.2214, 17.1929, 16.8265



9.2984, 9.9472, 9.6140



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.



21.4166, 23.5840, 17.8917



37.8148, 42.0177, 29.2170



19.4512, 22.5708, 17.7997



5.0397, 5.4230, 5.0105



17.2006, 20.7272, 3.0942



0.0596, 0.0718, 0.0107

Inverse Universe

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



16.1494, 15.9383, 25.1482



26.6329, 25.7865, 44.6220



17.8686, 16.8246, 25.2287



4.4345, 4.5446, 5.8442



4.0328, 1.6131, 21.2355



0.0140, 0.0056, 0.0736

Previews

White Background



This preview shows how the XYZ color 21.4160, 23.5830, 17.8912 looks on a white background.

Color Contrast Check

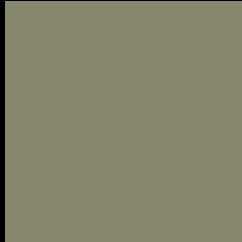
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4160, 23.5830, 17.8912 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

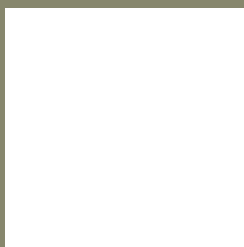
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4160, 23.5830, 17.8912

Background



This preview shows how black text looks on a background with the XYZ color 21.4160, 23.5830, 17.8912.



This preview shows how white text looks on a background with the XYZ color 21.4160, 23.5830,

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

21.4160, 23.5830, 17.8912

Protanopia

22.0788, 23.5205, 17.5636

Deuteranopia

23.8601, 23.4342, 18.0175



Tritanopia

23.5715, 23.6447, 28.5208

Trichromacy



Original Color

21.4160, 23.5830, 17.8912

Protanomaly

21.8793, 23.6219, 17.5937

Deuteranomaly

22.9634, 23.5614, 18.0894

Tritanomaly

22.6949, 23.4908, 24.1069

Monochromacy



Original Color

21.4160, 23.5830, 17.8912

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.6985, 23.2168, 22.4064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4160, 23.5830, 17.8912 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(135, 135, 109)` looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 109)  
}
```

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(135, 135, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 135, 109) }
```

Border

The CSS property to change the border of an element to XYZ 21.4160, 23.5830, 17.8912 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(135, 135, 109) }
```


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

```
.border{ border-color:rgb(135, 135, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 135, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 135, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 135, 109);  
box-shadow:4px 4px 4px 4px rgb(135, 135,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4160, 23.5830, 17.8912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 135, 109) }
```

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

```
.background{ background-color: rgb(135,  
135, 109) }
```

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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