

Converting Colors

XYZ(21.5496, 23.7871, 17.3262)

Have a look what the booklet for
XYZ(21.5496, 23.7871, 17.3262)
contains.

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Color

**XYZ(21.6113, 23.9041,
17.3848)**

Conversions

Conversions Part 1

Format	Color
Hex	88886B
RGB	136, 136, 107
RGB Percent	53%, 53%, 42%
CMY	0.4667, 0.4667, 0.5804
CMYK	0.00, 0.00, 0.21, 0.47
HSL	60°, 12%, 48%
HSV	60°, 21%, 53%
XYZ	21.6113, 23.9041, 17.3848
YIQ	132.6940, 9.3090, -9.0190

Conversions

Conversions Part 2

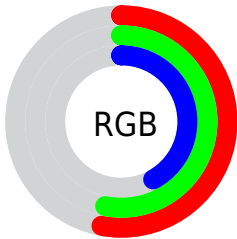
Format	Color
R_{YB}	107, 136, 107
Decimal	8947819
CIE _{Lab}	55.99, -5.13, 15.62
CIE _{LCh}	56, 16.444, 108.187
Yxy	23.9041, 0.3436, 0.3800
Android (android.graphics.Color)	4287137899 (0xFF88886B)
YUV	132.6940, -12.6671, 2.8994
Hunter-Lab	48.8918, -6.6596, 13.1421

Details

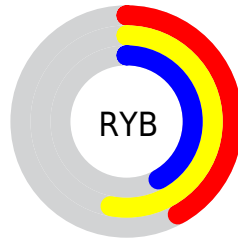
The XYZ color **21.6113, 23.9041, 17.3848** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.7660, 15.4194, 25.4392**, and the grayscale version is **22.2258, 23.3833, 25.4644**.

A 20% lighter version of the original color is **45.6044, 49.8110, 39.5586**, and **7.9550, 8.9498, 5.4459** is the 20% darker color. If you saturate the color by 10%, you get **20.9513, 23.6409, 13.9081**, and if you desaturate by 10%, it is **22.3851, 24.2145, 21.4553**.

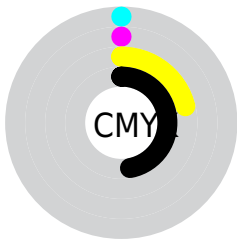
Distribution



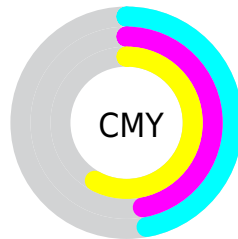
- Red (53%)
- Green (53%)
- Blue (42%)



- Red (42%)
- Yellow (53%)
- Blue (42%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (47%)



- Cyan (47%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6113, 23.9041, 17.3848 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 21.6113, 23.9041, 17.3848 by changing the saturation by 10% instead.

■ 21.6113, 23.9041,
17.3848

■ 21.6113, 23.9041,
17.3848

253.1803,
272.3353, 249.4988

■ 13.6866, 15.2625,
10.3444

■ 45.5864, 49.8737,
39.7859

■ 7.9832, 9.0038,
5.5193

■ 62.3674, 67.9704,
55.9836

■ 4.1359, 4.7437,
2.4910

■ 82.8313, 89.9877,
76.0709

■ 1.7793, 2.0977,
0.8354

■ 107.3433,
116.3098, 100.4662

■ 0.5052, 0.6633,
0.0000

136.2689,
147.3213, 129.5881

■ 0.0000, 0.0000,
0.0000

169.9733,

183.4064, 163.8551

208.8220,
224.9496, 203.6859

■ 21.6113, 23.9041,
17.3848

■ 21.6113, 23.9041,
17.3848

■ 20.9513, 23.6409,
13.9081

■ 22.3851, 24.2145,
21.4553

■ 20.3981, 23.4196,
10.9961

■ 23.2758, 24.5708,
26.1440

■ 19.9465, 23.2389,
8.6195

■ 24.2885, 24.9759,
31.4756

■ 19.5903, 23.0964,
6.7456

■ 25.4277, 25.4316,
37.4733

■ 19.3228, 22.9894,
5.3384

■ 26.6976, 25.9396,
44.1587

■ 19.1361, 22.9147,
4.3568

■ 28.1020, 26.5014,
51.5528

■ 19.0212, 22.8686,
3.7530

■ 29.6448, 27.1185,
59.6756

■ 18.9558, 22.8425,
3.4100

■ 31.3296, 27.7925,
68.5463

■ 33.1600, 28.5247,
78.1832

Harmonies

Analogous

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



23.4676, 23.9041, 17.1583



21.6113, 23.9041, 17.3848



20.1329, 23.9041, 19.7220

Triad

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



21.6113, 23.9041, 17.3848



20.3961, 23.9041, 34.5239



26.4422, 23.9041, 28.2032

Complementary

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



21.6113, 23.9041, 17.3848



15.7660, 15.4194, 25.4392

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.



25.5200, 23.9041, 33.5513



21.6113, 23.9041, 17.3848



21.9887, 23.9041, 37.5227

Square

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



21.6113, 23.9041, 17.3848



19.4584, 23.9041, 29.3916



23.8663, 23.9041, 37.1441



26.3274, 23.9041, 22.9305

Rectangle

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



21.6113, 23.9041, 17.3848



19.5290, 23.9041, 22.3698



23.8663, 23.9041, 37.1441



26.2412, 23.9041, 30.0637

Sweetspot

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



21.6119, 23.9052, 17.3853



40.2358, 42.9861, 41.9616



18.0657, 16.8117, 16.2030



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.



21.6119, 23.9052, 17.3853



37.4503, 41.8718, 27.2988



19.4143, 22.7723, 17.2825



5.4310, 5.8449, 5.3943



17.9400, 21.6184, 3.2272



0.1192, 0.1436, 0.0214

Inverse Universe

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



15.7660, 15.4194, 25.4392



25.0792, 23.9143, 44.3425



17.6578, 16.3946, 25.5277



4.7747, 4.8923, 6.2985



4.2063, 1.6825, 22.1488



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 21.6113, 23.9041, 17.3848 looks on a white background.

Color Contrast Check

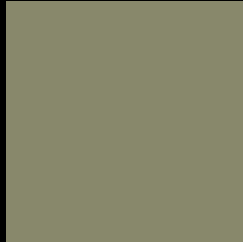
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6113, 23.9041, 17.3848 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

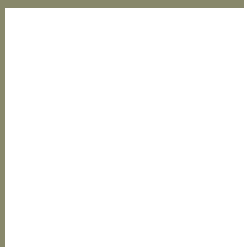
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6113, 23.9041, 17.3848

Background



This preview shows how black text looks on a background with the XYZ color 21.6113, 23.9041, 17.3848.



This preview shows how white text looks on a background with the XYZ color 21.6113, 23.9041,

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

21.6113, 23.9041, 17.3848

Protanopia

22.4543, 23.9304, 17.0712

Deuteranopia

24.2673, 23.8511, 17.5121



Tritanopia

23.9833, 23.8483, 28.9303

Trichromacy



Original Color

21.6113, 23.9041, 17.3848

Protanomaly

22.0807, 23.9440, 17.0935

Deuteranomaly

23.3525, 23.9748, 17.5841

Tritanomaly

22.9974, 23.8490, 24.1601

Monochromacy



Original Color

21.6113, 23.9041, 17.3848

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.9947, 23.5738, 22.4597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6113, 23.9041, 17.3848 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(136, 136, 107)` looks like.

```
.text, #text, p{  
    color:rgb(136, 136, 107)  
}
```

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(136, 136, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 136, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.6113, 23.9041, 17.3848 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(136, 136, 107) }
```


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

```
.border{ border-color:rgb(136, 136, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 136, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 136, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 136, 107);  
box-shadow:4px 4px 4px 4px rgb(136, 136,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6113, 23.9041, 17.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 136, 107) }
```

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

```
.background{ background-color: rgb(136,  
136, 107) }
```

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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