

Converting Colors

XYZ(21.5109, 23.6207, 22.1645)

Have a look what the booklet for
XYZ(21.5109, 23.6207, 22.1645)
contains.

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Color

**XYZ(21.4450, 23.5038,
22.1453)**

Conversions

Conversions Part 1

Format	Color
Hex	82877B
RGB	130, 135, 123
RGB Percent	51%, 53%, 48%
CMY	0.4902, 0.4706, 0.5176
CMYK	0.04, 0.00, 0.09, 0.47
HSL	85°, 5%, 51%
HSV	85°, 9%, 53%
XYZ	21.4450, 23.5038, 22.1453
YIQ	132.1370, 0.8720, -4.7920

Conversions

Conversions Part 2

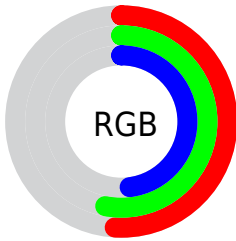
Format	Color
R_{YB}	123, 135, 128
Decimal	8554363
CIE Lab	55.59, -4.18, 5.81
CIE LCh	56, 7.154, 125.705
Yxy	23.5038, 0.3196, 0.3503
Android (android.graphics.Color)	4286744443 (0xFF82877B)
YUV	132.1370, -4.5045, -1.8741
Hunter-Lab	48.4807, -5.8834, 6.8537

Details

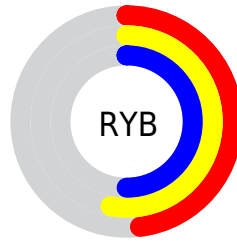
The XYZ color **21.4450, 23.5038, 22.1453** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.3592, 20.5050, 25.8077**, and the grayscale version is **21.9976, 23.1432, 25.2029**.

A 20% lighter version of the original color is **45.2495, 49.1289, 47.6554**, and **7.8779, 8.7407, 7.7505** is the 20% darker color. If you saturate the color by 10%, you get **19.8180, 22.7568, 17.9577**, and if you desaturate by 10%, it is **23.2371, 24.3239, 26.9501**.

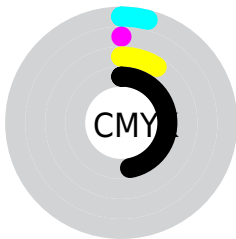
Distribution



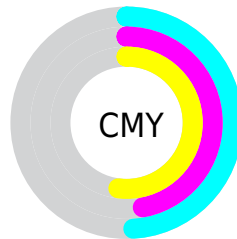
- Red (51%)
- Green (53%)
- Blue (48%)



- Red (48%)
- Yellow (53%)
- Blue (50%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (47%)



- Cyan (49%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4450, 23.5038, 22.1453 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 21.4450, 23.5038, 22.1453 by changing the saturation by 10% instead.

■ 21.4450, 23.5038,
22.1453

■ 21.4450, 23.5038,
22.1453

252.3213,
270.3022, 276.2823

■ 13.5640, 14.9660,
13.7644

■ 45.3127, 49.2193,
47.8913

■ 7.8977, 8.7955,
7.8201

■ 62.0301, 67.1656,
66.0934

■ 4.0808, 4.6080,
3.8939

■ 82.4236, 89.0170,
88.4064

■ 1.7480, 2.0192,
1.5673

106.8587,
115.1577, 115.2487

■ 0.4860, 0.6186,
0.2673

135.7006,
145.9722, 147.0389

■ 0.0000, 0.0000,
0.0000

169.3148,

181.8449, 184.1956

208.0666,
223.1600, 227.1372

■ 21.4450, 23.5038,
22.1453

■ 21.4450, 23.5038,
22.1453

■ 19.8180, 22.7568,
17.9577

■ 23.2371, 24.3239,
26.9501

■ 18.3487, 22.0774,
14.3607

■ 25.1975, 25.2160,
32.3940

■ 17.0319, 21.4643,
11.3281

■ 27.3319, 26.1834,
38.5000

■ 15.8613, 20.9149,
8.8312

■ 29.6449, 27.2279,
45.2893

■ 14.8302, 20.4264,
6.8386

■ 32.1412, 28.3516,
52.7821

■ 13.9312, 19.9957,
5.3157

■ 34.8250, 29.5561,
60.9980

■ 13.1561, 19.6195,
4.2237

■ 37.7006, 30.8432,
69.9557

■ 12.4954, 19.2938,
3.5174

■ 40.7721, 32.2147,
79.6732

■ 11.9267, 19.0097,
3.0837

■ 44.0433, 33.6721,
90.1678

Harmonies

Analogous

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



22.1856, 23.5038, 21.4139



21.4450, 23.5038, 22.1453



20.9531, 23.5038, 23.8040

Triad

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



21.4450, 23.5038, 22.1453



21.7064, 23.5038, 29.8659



23.9218, 23.5038, 25.1518

Complementary

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



21.4450, 23.5038, 22.1453



20.3592, 20.5050, 25.8077

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.



23.7861, 23.5038, 27.4667



21.4450, 23.5038, 22.1453



22.4945, 23.5038, 30.2802

Square

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



21.4450, 23.5038, 22.1453



21.1014, 23.5038, 28.2777



23.2589, 23.5038, 29.3782



23.6254, 23.5038, 23.0813

Rectangle

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



21.4450, 23.5038, 22.1453



20.8257, 23.5038, 25.2598



23.2589, 23.5038, 29.3782



23.9253, 23.5038, 25.9264

Sweetspot

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



21.4456, 23.5048, 22.1458



40.2348, 42.9288, 44.5296



21.2868, 22.0201, 21.8676



9.2621, 9.9163, 10.1625



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.



21.4456, 23.5048, 22.1458



37.6903, 41.7635, 37.7922



20.5520, 23.0441, 22.1040



4.8570, 5.3289, 5.0019



10.9573, 17.5086, 2.8020



0.0463, 0.0650, 0.0101

Inverse Universe

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



20.3592, 20.5050, 25.8077



35.2672, 35.0731, 45.9594



21.2885, 20.9841, 25.8512



4.6048, 4.6323, 5.8522



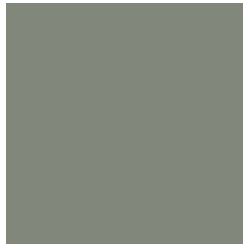
5.5651, 2.4031, 21.3072



0.0273, 0.0124, 0.0742

Previews

White Background



This preview shows how the XYZ color 21.4450, 23.5038, 22.1453 looks on a white background.

Color Contrast Check

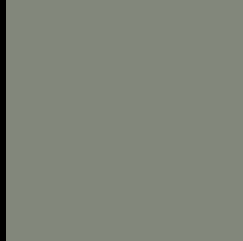
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4450, 23.5038, 22.1453 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

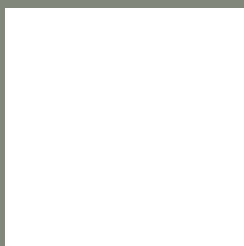
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4450, 23.5038, 22.1453

Background



This preview shows how black text looks on a background with the XYZ color 21.4450, 23.5038, 22.1453.



This preview shows how white text looks on a background with the XYZ color 21.4450, 23.5038,

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

21.4450, 23.5038, 22.1453

Protanopia

22.3816, 23.5835, 21.7848

Deuteranopia

23.7517, 23.2831, 22.3110



Tritanopia

22.8821, 23.4722, 29.3112

Trichromacy



Original Color

21.4450, 23.5038, 22.1453

Protanomaly

22.0296, 23.6062, 21.8077

Deuteranomaly

22.9097, 23.4386, 22.3854

Tritanomaly

22.3472, 23.4582, 26.6426

Monochromacy



Original Color

21.4450, 23.5038, 22.1453

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.7100, 23.1853, 24.0999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4450, 23.5038, 22.1453 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(130, 135, 123)` looks like.

```
.text, #text, p{  
    color:rgb(130, 135, 123)  
}
```

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(130, 135, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 135, 123) }
```

Border

The CSS property to change the border of an element to XYZ 21.4450, 23.5038, 22.1453 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(130, 135, 123) }
```


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

```
.border{ border-color:rgb(130, 135, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 135, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 135, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 135, 123);  
box-shadow:4px 4px 4px 4px rgb(130, 135,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4450, 23.5038, 22.1453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 135, 123) }
```

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

```
.background{ background-color: rgb(130,  
135, 123) }
```

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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