

Converting Colors

XYZ(21.4647, 21.0904, 24.5000)

Have a look what the booklet for
XYZ(21.4647, 21.0904, 24.5000)
contains.

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Color

**XYZ(21.4962, 21.1230,
24.4169)**

Conversions

Conversions Part 1

Format	Color
Hex	897B83
RGB	137, 123, 131
RGB Percent	54%, 48%, 51%
CMY	0.4627, 0.5176, 0.4863
CMYK	0.00, 0.10, 0.04, 0.46
HSL	326°, 6%, 51%
HSV	326°, 10%, 54%
XYZ	21.4962, 21.1230, 24.4169
YIQ	128.0980, 5.7760, 5.4560

Conversions

Conversions Part 2

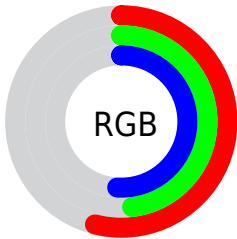
Format	Color
R_{YB}	137, 123, 131
Decimal	9010051
CIE Lab	53.08, 6.86, -2.40
CIE LCh	53, 7.266, 340.725
Yxy	21.1230, 0.3207, 0.3151
Android (android.graphics.Color)	4287200131 (0xFF897B83)
YUV	128.0980, 1.4307, 7.8071
Hunter-Lab	45.9598, 3.0580, 0.6730

Details

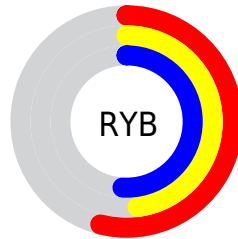
The XYZ color **21.4962, 21.1230, 24.4169** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.0773, 23.6878, 24.2313**, and the grayscale version is **20.5461, 21.6161, 23.5399**.

A 20% lighter version of the original color is **45.2169, 45.0678, 51.6632**, and **7.9022, 7.5330, 9.0202** is the 20% darker color. If you saturate the color by 10%, you get **19.5276, 17.8045, 21.8525**, and if you desaturate by 10%, it is **23.7265, 24.9281, 27.1804**.

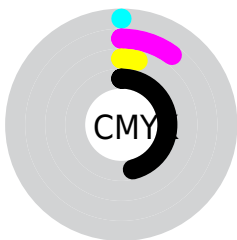
Distribution



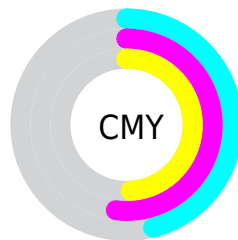
- Red (54%)
- Green (48%)
- Blue (51%)



- Red (54%)
- Yellow (48%)
- Blue (51%)



- Cyan (0%)
- Magenta (10%)
- Yellow (4%)
- Black (46%)



- Cyan (46%)
- Magenta (52%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4962, 21.1230, 24.4169 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 21.4962, 21.1230, 24.4169 by changing the saturation by 10% instead.

■ 21.4962, 21.1230,
24.4169

■ 21.4962, 21.1230,
24.4169

252.5860,
257.9314, 288.2756

■ 13.6017, 13.2139,
15.4281

■ 45.3970, 45.2922,
51.6620

■ 7.9240, 7.5760,
8.9704

■ 62.1340, 62.3210,
70.7554

■ 4.0978, 3.8249,
4.6254

■ 82.5492, 83.1586,
94.0541

■ 1.7576, 1.5761,
1.9743

107.0080,
108.1894, 121.9766

■ 0.4919, 0.3414,
0.5394

135.8757,
137.7976, 154.9414

■ 0.0000, 0.0000,
0.0000

169.5177,

172.3678, 193.3672

208.2994,
212.2843, 237.6724

■ 21.4962, 21.1230,
24.4169

■ 21.4962, 21.1230,
24.4169

■ 19.5276, 17.8045,
21.8525

■ 23.7265, 24.9281,
27.1804

■ 17.8086, 14.9500,
19.4805

■ 26.2262, 29.2356,
30.1465

■ 16.3289, 12.5393,
17.2960

■ 29.0050, 34.0642,
33.3205

■ 15.0769, 10.5496,
15.2930

■ 32.0717, 39.4306,
36.7070

■ 14.0397, 8.9560,
13.4654

■ 35.4344, 45.3509,
40.3104

■ 13.2033, 7.7309,
11.8064

■ 39.1013, 51.8405,
44.1350

■ 12.5519, 6.8434,
10.3086

■ 43.0798, 58.9140,
48.1849

■ 12.0668, 6.2571,
8.9637

■ 47.3774, 66.5858,
52.4643

■ 11.7017, 5.8724,
7.7766

■ 52.0012, 74.8696,
56.9769

Harmonies

Analogous

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



21.0509, 21.1230, 26.3388



21.4962, 21.1230, 24.4169



21.5556, 21.1230, 22.2250

Triad

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



21.4962, 21.1230, 24.4169



19.8045, 21.1230, 19.1069



18.9835, 21.1230, 25.8560

Complementary

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



21.4962, 21.1230, 24.4169



21.0773, 23.6878, 24.2313

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.



18.6672, 21.1230, 23.7915



21.4962, 21.1230, 24.4169



19.1332, 21.1230, 19.9548

Square

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



21.4962, 21.1230, 24.4169



20.5658, 21.1230, 19.2508



18.7213, 21.1230, 21.6378



19.5955, 21.1230, 27.2054

Rectangle

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



21.4962, 21.1230, 24.4169



21.3668, 21.1230, 20.9153



18.7213, 21.1230, 21.6378



18.8398, 21.1230, 25.2174

Sweetspot

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



21.4968, 21.1239, 24.4174



41.3032, 42.6097, 47.2281



20.6271, 20.6272, 26.5614



9.1960, 9.4408, 10.5093



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.



21.4968, 21.1239, 24.4174



37.7369, 36.5418, 42.7574



21.0489, 20.9447, 22.0585



5.1447, 5.0933, 5.8506



10.9061, 5.4725, 7.2757



0.0798, 0.0393, 0.0871

Inverse Universe

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



21.4968, 21.1239, 24.4174



37.7369, 36.5418, 42.7574



21.5468, 23.8755, 26.7036



5.1447, 5.0933, 5.8506



10.9061, 5.4725, 7.2757



0.0798, 0.0393, 0.0871

Previews

White Background



This preview shows how the XYZ color 21.4962, 21.1230, 24.4169 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 21.4962, 21.1230, 24.4169 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 21.4962, 21.1230, 24.4169

Background



This preview shows how black text looks on a background with the XYZ color 21.4962, 21.1230, 24.4169.



This preview shows how white text looks on a background with the XYZ color 21.4962, 21.1230,

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

21.4962, 21.1230, 24.4169

Protanopia

20.4469, 21.1272, 25.1906

Deuteranopia

21.4962, 21.1230, 24.4169



Tritanopia

21.5643, 21.1502, 24.7756

Trichromacy



Original Color

21.4962, 21.1230, 24.4169

Protanomaly

20.8585, 21.1585, 24.8144

Deuteranomaly

21.4962, 21.1230, 24.4169

Tritanomaly

21.5643, 21.1502, 24.7756

Monochromacy



Original Color

21.4962, 21.1230, 24.4169

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7834, 21.3320, 23.7910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4962, 21.1230, 24.4169 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(137, 123, 131)` looks like.

```
.text, #text, p{  
    color:rgb(137, 123, 131)  
}
```

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(137, 123, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 123, 131) }
```

Border

The CSS property to change the border of an element to XYZ 21.4962, 21.1230, 24.4169 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(137, 123, 131) }
```


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

```
.border{ border-color:rgb(137, 123, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 123, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 123, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 123, 131);  
box-shadow:4px 4px 4px 4px rgb(137, 123,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4962, 21.1230, 24.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 123, 131) }
```

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

```
.background{ background-color: rgb(137,  
123, 131) }
```

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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