

Converting Colors

XYZ(21.7013, 23.1454, 21.0946)

Have a look what the booklet for
XYZ(21.7013, 23.1454, 21.0946)
contains.

XYZ(21.7694, 23.2820, 21.1158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7694, 23.2820,
21.1158)**

Conversions

Conversions Part 1

Format	Color
Hex	878578
RGB	135, 133, 120
RGB Percent	53%, 52%, 47%
CMY	0.4706, 0.4784, 0.5294
CMYK	0.00, 0.01, 0.11, 0.47
HSL	52°, 6%, 50%
HSV	52°, 11%, 53%
XYZ	21.7694, 23.2820, 21.1158
YIQ	132.1160, 5.3650, -3.6190

Conversions

Conversions Part 2

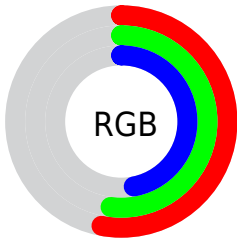
Format	Color
R_{YB}	122, 135, 120
Decimal	8881528
CIE Lab	55.36, -1.67, 7.27
CIE LCh	55, 7.462, 102.968
Yxy	23.2820, 0.3290, 0.3519
Android (android.graphics.Color)	4287071608 (0xFF878578)
YUV	132.1160, -5.9732, 2.5293
Hunter-Lab	48.2514, -3.9069, 7.8295

Details

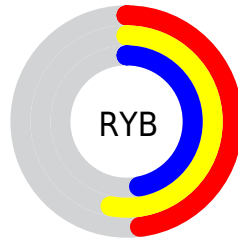
The XYZ color **21.7694, 23.2820, 21.1158** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.0785, 19.6612, 25.7115**, and the grayscale version is **21.9940, 23.1394, 25.1988**.

A 20% lighter version of the original color is **45.7443, 48.7877, 46.0357**, and **8.0863, 8.7398, 7.3916** is the 20% darker color. If you saturate the color by 10%, you get **20.7634, 22.4898, 17.0193**, and if you desaturate by 10%, it is **22.8964, 24.1308, 25.8232**.

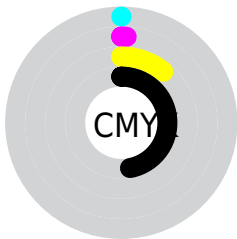
Distribution



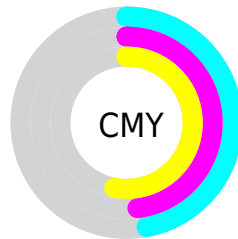
- Red (53%)
- Green (52%)
- Blue (47%)



- Red (48%)
- Yellow (53%)
- Blue (47%)



- Cyan (0%)
- Magenta (1%)
- Yellow (11%)
- Black (47%)



- Cyan (47%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7694, 23.2820, 21.1158 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 21.7694, 23.2820, 21.1158 by changing the saturation by 10% instead.

■ 21.7694, 23.2820,
21.1158

■ 21.7694, 23.2820,
21.1158

253.9947,
269.1701, 270.6945

■ 13.8032, 14.8019,
13.0166

■ 45.8463, 48.8560,
46.1635

■ 8.0647, 8.6805,
7.3091

■ 62.6877, 66.7186,
63.9490

■ 4.1885, 4.5333,
3.5748

■ 83.2181, 88.4775,
85.8004

■ 1.8093, 1.9762,
1.3951

107.8031,
114.5171, 112.1363

■ 0.5233, 0.5936,
0.1379

136.8079,
145.2217, 143.3751

■ 0.0000, 0.0000,
0.0000

170.5978,

180.9759, 179.9353

209.5383,
222.1639, 222.2356

■ 21.7694, 23.2820,
21.1158

■ 21.7694, 23.2820,
21.1158

■ 20.7634, 22.4898,
17.0193

■ 22.8964, 24.1308,
25.8232

■ 19.8717, 21.7494,
13.5068

■ 24.1472, 25.0352,
31.1638

■ 19.0897, 21.0595,
10.5518

■ 25.5265, 25.9977,
37.1608

■ 18.4120, 20.4179,
8.1250

■ 27.0386, 27.0203,
43.8355

■ 17.8323, 19.8221,
6.1944

■ 28.6872, 28.1043,
51.2084

■ 17.3441, 19.2695,
4.7248

■ 30.4763, 29.2514,
59.2991

■ 16.9396, 18.7570,
3.6759

■ 32.4092, 30.4629,
68.1266

■ 16.6098, 18.2808,
3.0010

■ 34.4897, 31.7405,
77.7088

■ 16.3556, 17.8786,
2.5889

■ 36.7208, 33.0853,
88.0634

Harmonies

Analogous

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



22.6039, 23.2820, 21.1908



21.7694, 23.2820, 21.1158



21.0492, 23.2820, 22.1227

Triad

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



21.7694, 23.2820, 21.1158



20.9712, 23.2820, 28.6256



23.7047, 23.2820, 26.7253

Complementary

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



21.7694, 23.2820, 21.1158



19.0785, 19.6612, 25.7115

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.



23.2448, 23.2820, 28.8772



21.7694, 23.2820, 21.1158



21.6605, 23.2820, 30.0209

Square

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



21.7694, 23.2820, 21.1158



20.5962, 23.2820, 26.3993



22.4922, 23.2820, 30.1158



23.7357, 23.2820, 24.3291

Rectangle

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



21.7694, 23.2820, 21.1158



20.7251, 23.2820, 23.3111



22.4922, 23.2820, 30.1158



23.5946, 23.2820, 27.5047

Sweetspot

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



21.7700, 23.2830, 21.1163



40.5907, 42.9082, 44.5069



20.2213, 19.9893, 21.2052



9.3643, 9.9103, 10.1560



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.



21.7700, 23.2830, 21.1163



38.5744, 41.3769, 36.1236



21.1839, 23.3908, 21.1680



4.9883, 5.3201, 4.9933



15.0886, 16.4998, 2.3895



0.0559, 0.0644, 0.0095

Inverse Universe

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



19.0785, 19.6612, 25.7115



32.8919, 33.7305, 45.8254



19.6206, 19.5803, 25.6673



4.4808, 4.6373, 5.8597



4.2381, 2.0239, 21.3040



0.0177, 0.0130, 0.0748

Previews

White Background



This preview shows how the XYZ color 21.7694, 23.2820, 21.1158 looks on a white background.

Color Contrast Check

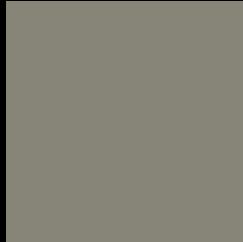
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7694, 23.2820, 21.1158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

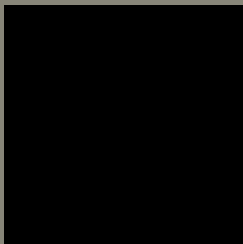
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

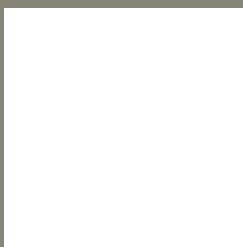
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7694, 23.2820, 21.1158

Background



This preview shows how black text looks on a background with the XYZ color 21.7694, 23.2820, 21.1158.



This preview shows how white text looks on a background with the XYZ color 21.7694, 23.2820,

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

21.7694, 23.2820, 21.1158

Protanopia

22.1227, 23.2619, 21.0933

Deuteranopia

23.7480, 23.3028, 21.3354



Tritanopia

23.1975, 23.2620, 28.0783

Trichromacy



Original Color

21.7694, 23.2820, 21.1158

Protanomaly

21.9580, 23.1770, 21.0856

Deuteranomaly

23.1109, 23.3655, 21.3811

Tritanomaly

22.6665, 23.2444, 25.4823

Monochromacy



Original Color

21.7694, 23.2820, 21.1158

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.8204, 23.0476, 23.7206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7694, 23.2820, 21.1158 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, 133, 120)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 120)  
}
```

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, 133, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 120) }
```

Border

The CSS property to change the border of an element to XYZ 21.7694, 23.2820, 21.1158 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, 133, 120) }
```


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

```
.border{ border-color:rgb(135, 133, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 133, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 120);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7694, 23.2820, 21.1158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 120) }
```

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

```
.background{ background-color: rgb(135,  
133, 120) }
```

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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