

Converting Colors

XYZ(23.0389, 24.9562, 21.2599)

Have a look what the booklet for
XYZ(23.0389, 24.9562, 21.2599)
contains.

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Color

**XYZ(23.1261, 25.0220,
21.3802)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8A78
RGB	139, 138, 120
RGB Percent	55%, 54%, 47%
CMY	0.4549, 0.4588, 0.5294
CMYK	0.00, 0.01, 0.14, 0.45
HSL	57°, 8%, 51%
HSV	57°, 14%, 55%
XYZ	23.1261, 25.0220, 21.3802
YIQ	136.2470, 6.3740, -5.3860

Conversions

Conversions Part 2

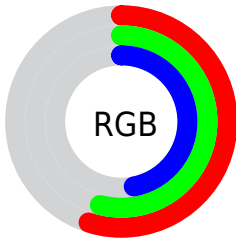
Format	Color
R_{YB}	121, 139, 120
Decimal	9144952
CIE Lab	57.10, -2.93, 9.78
CIE LCh	57, 10.211, 106.655
Yxy	25.0220, 0.3326, 0.3599
Android (android.graphics.Color)	4287335032 (0xFF8B8A78)
YUV	136.2470, -8.0098, 2.4144
Hunter-Lab	50.0220, -5.0146, 9.6739

Details

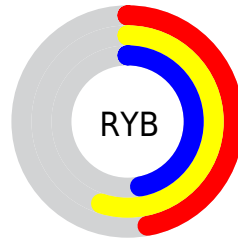
The XYZ color **23.1261, 25.0220, 21.3802** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.2433, 19.5315, 27.1820**, and the grayscale version is **23.5223, 24.7473, 26.9498**.

A 20% lighter version of the original color is **48.0695, 51.5776, 46.4517**, and **8.7792, 9.5712, 7.5156** is the 20% darker color. If you saturate the color by 10%, you get **22.2390, 24.5011, 17.2204**, and if you desaturate by 10%, it is **24.1377, 25.5955, 26.1864**.

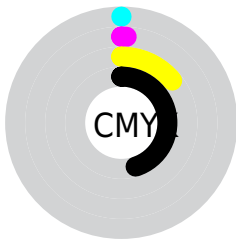
Distribution



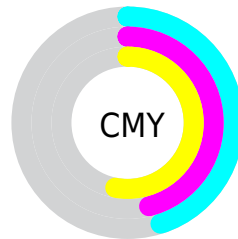
- Red (55%)
- Green (54%)
- Blue (47%)



- Red (47%)
- Yellow (55%)
- Blue (47%)



- Cyan (0%)
- Magenta (1%)
- Yellow (14%)
- Black (45%)



- Cyan (45%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1261, 25.0220, 21.3802 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 23.1261, 25.0220, 21.3802 by changing the saturation by 10% instead.

■ 23.1261, 25.0220,
21.3802

■ 23.1261, 25.0220,
21.3802

260.8953,
277.9475, 272.1393

■ 14.8079, 16.0934,
13.2083

■ 48.0654, 51.6929,
46.6084

■ 8.7701, 9.5903,
7.4397

■ 65.4172, 70.2041,
64.5018

■ 4.6474, 5.1282,
3.6560

■ 86.5109, 92.6782,
86.4727

■ 2.0745, 2.3227,
1.4386

111.7119,
119.4997, 112.9397

■ 0.6753, 0.7857,
0.1715

141.3854,
151.0530, 144.3213

■ 0.0000, 0.0000,
0.0000

175.8969,

187.7225, 181.0361

215.6118,
229.8925, 223.5026

■ 23.1261, 25.0220,
21.3802

■ 23.1261, 25.0220,
21.3802

■ 22.2390, 24.5011,
17.2204

■ 24.1377, 25.5955,
26.1864

■ 21.4692, 24.0275,
13.6776

■ 25.2768, 26.2202,
31.6634

■ 20.8117, 23.5999,
10.7228

■ 26.5487, 26.8992,
37.8362

■ 20.2605, 23.2159,
8.3238

■ 27.9578, 27.6342,
44.7282

■ 19.8087, 22.8728,
6.4455

■ 29.5084, 28.4269,
52.3617

■ 19.4490, 22.5676,
5.0485

■ 31.2045, 29.2790,
60.7579

■ 19.1729, 22.2970,
4.0882

■ 33.0499, 30.1920,
69.9372

■ 18.9700, 22.0568,
3.5103

■ 35.0485, 31.1673,
79.9193

■ 18.8592, 21.9124,
3.2355

■ 37.2038, 32.2065,
90.7232

Harmonies

Analogous

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



24.3204, 25.0220, 21.2961



23.1261, 25.0220, 21.3802



22.1405, 25.0220, 22.9475

Triad

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



23.1261, 25.0220, 21.3802



22.2306, 25.0220, 32.3498



26.1041, 25.0220, 28.8019

Complementary

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



23.1261, 25.0220, 21.3802



19.2433, 19.5315, 27.1820

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.



25.5041, 25.0220, 32.0474



23.1261, 25.0220, 21.3802



23.2529, 25.0220, 34.2092

Square

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



23.1261, 25.0220, 21.3802



21.6355, 25.0220, 29.1870



24.4515, 25.0220, 34.0941



26.0674, 25.0220, 25.3905

Rectangle

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



23.1261, 25.0220, 21.3802



21.7223, 25.0220, 24.7040



24.4515, 25.0220, 34.0941



25.9694, 25.0220, 29.9539

Sweetspot

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



23.1268, 25.0231, 21.3807



43.1459, 45.7920, 46.5110



20.8318, 20.3093, 20.9975



9.9116, 10.5347, 10.5729



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1268, 25.0231, 21.3807



40.9686, 44.5526, 36.1812



21.9470, 24.6282, 21.3667



5.4090, 5.8008, 5.3870



17.0251, 19.7847, 2.9215



0.1163, 0.1378, 0.0205

Inverse Universe

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



19.2433, 19.5315, 27.1820



32.7999, 33.0015, 48.3842



20.3142, 19.9047, 27.1976



4.7944, 4.9316, 6.3051



4.2816, 1.8334, 22.1739



0.0308, 0.0170, 0.1481

Previews

White Background



This preview shows how the XYZ color 23.1261, 25.0220, 21.3802 looks on a white background.

Color Contrast Check

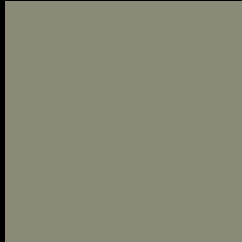
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1261, 25.0220, 21.3802 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

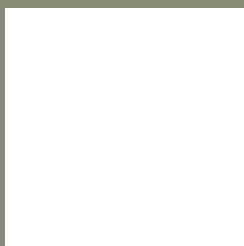
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1261, 25.0220, 21.3802

Background



This preview shows how black text looks on a background with the XYZ color 23.1261, 25.0220, 21.3802.

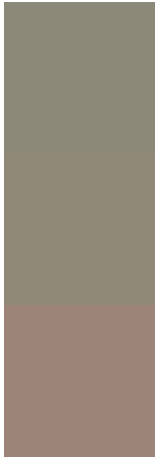


This preview shows how white text looks on a background with the XYZ color 23.1261, 25.0220,

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

23.1261, 25.0220, 21.3802

Protanopia

23.7770, 25.1525, 21.0545

Deuteranopia

25.4128, 24.9509, 21.5658



Tritanopia

24.7913, 24.8453, 30.2770

Trichromacy



Original Color

23.1261, 25.0220, 21.3802

Protanomaly

23.4308, 24.9740, 21.0383

Deuteranomaly

24.5540, 24.9147, 21.6040

Tritanomaly

24.0924, 24.7682, 26.8035

Monochromacy



Original Color

23.1261, 25.0220, 21.3802

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.2915, 24.8214, 24.6825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1261, 25.0220, 21.3802 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(139, 138, 120)` looks like.

```
.text, #text, p{  
    color:rgb(139, 138, 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(139, 138, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 138, 120) }
```

Border

The CSS property to change the border of an element to XYZ 23.1261, 25.0220, 21.3802 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(139, 138, 120) }
```


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

```
.border{ border-color:rgb(139, 138, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 138, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 138, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 138, 120);  
box-shadow:4px 4px 4px 4px rgb(139, 138,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1261, 25.0220, 21.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 138, 120) }
```

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

```
.background{ background-color: rgb(139,  
138, 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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