

Converting Colors

XYZ(23.0743, 23.9402, 25.7166)

Have a look what the booklet for
XYZ(23.0743, 23.9402, 25.7166)
contains.

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Color

**XYZ(22.9377, 23.7869,
25.5727)**

Conversions

Conversions Part 1

Format	Color
Hex	898585
RGB	137, 133, 133
RGB Percent	54%, 52%, 52%
CMY	0.4627, 0.4784, 0.4784
CMYK	0.00, 0.03, 0.03, 0.46
HSL	0°, 2%, 53%
HSV	0°, 3%, 54%
XYZ	22.9377, 23.7869, 25.5727
YIQ	134.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

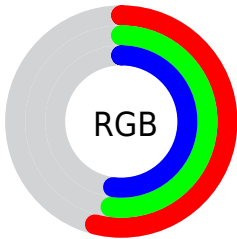
Format	Color
R _Y B	137, 133, 133
Decimal	9012613
CIE Lab	55.87, 1.50, 0.52
CIE LCh	56, 1.585, 19.313
Yxy	23.7869, 0.3173, 0.3290
Android (android.graphics.Color)	4287202693 (0xFF898585)
YUV	134.1960, -0.5896, 2.4591
Hunter-Lab	48.7718, -1.4010, 3.0525

Details

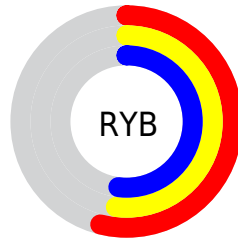
The XYZ color **22.9377, 23.7869, 25.5727** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.1339, 24.6836, 27.2123**, and the grayscale version is **22.7341, 23.9181, 26.0468**.

A 20% lighter version of the original color is **47.6570, 49.6101, 53.5183**, and **8.7010, 9.0070, 9.6674** is the 20% darker color. If you saturate the color by 10%, you get **20.2985, 19.9256, 20.3238**, and if you desaturate by 10%, it is **25.9460, 28.1884, 31.5543**.

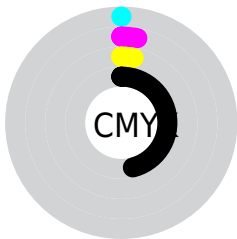
Distribution



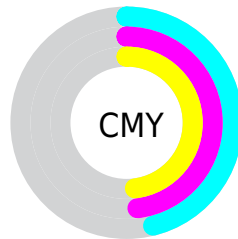
- Red (54%)
- Green (52%)
- Blue (52%)



- Red (54%)
- Yellow (52%)
- Blue (52%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (46%)



- Cyan (46%)
- Magenta (48%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9377, 23.7869, 25.5727 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 22.9377, 23.7869, 25.5727 by changing the saturation by 10% instead.

■ 22.9377, 23.7869,
25.5727

■ 22.9377, 23.7869,
25.5727

259.9462,
271.7413, 294.2166

■ 14.6680, 15.1756,
16.2814

■ 47.7584, 49.6822,
53.5604

■ 8.6715, 8.9427,
9.5670

■ 65.0401, 67.7351,
73.0938

■ 4.5829, 4.7038,
5.0110

■ 86.0565, 89.7039,
96.8784

■ 2.0369, 2.0746,
2.1948

111.1729,
115.9731, 125.3325

■ 0.6546, 0.6503,
0.6714

140.7547,
146.9270, 158.8749

■ 0.0000, 0.0000,
0.0000

175.1673,

182.9501, 197.9240

214.7760,
224.4267, 242.8984

■ 22.9377, 23.7869,
25.5727

■ 22.9377, 23.7869,
25.5727

■ 20.2985, 19.9256,
20.3238

■ 25.9460, 28.1884,
31.5543

■ 18.0125, 16.5807,
15.7781

■ 29.3349, 33.1464,
38.2938

■ 16.0651, 13.7314,
11.9062

■ 33.1177, 38.6807,
45.8168

■ 14.4403, 11.3539,
8.6760

■ 37.3064, 44.8089,
54.1475

■ 13.1207, 9.4230,
6.0528

■ 41.9127, 51.5478,
63.3088

■ 12.0873, 7.9106,
3.9988

■ 46.9477, 58.9139,
73.3229

■ 11.3188, 6.7859,
2.4718

■ 52.4221, 66.9227,
84.2111

■ 10.7912, 6.0136,
1.4238

■ 58.3461, 75.5893,
95.9940

■ 10.4759, 5.5520,
0.7980

■ 64.1267, 84.0584,
107.4528

Harmonies

Analogous

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



22.9513, 23.7869, 26.0846



22.9377, 23.7869, 25.5727



22.8356, 23.7869, 25.1538

Triad

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



22.9377, 23.7869, 25.5727



22.3467, 23.7869, 25.2576



22.5445, 23.7869, 26.8885

Complementary

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



22.9377, 23.7869, 25.5727



23.1339, 24.6836, 27.2123

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.



22.3833, 23.7869, 26.6606



22.9377, 23.7869, 25.5727



22.2696, 23.7869, 25.7161

Square

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



22.9377, 23.7869, 25.5727



22.4942, 23.7869, 24.9736



22.2829, 23.7869, 26.2299



22.7237, 23.7869, 26.8488

Rectangle

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



22.9377, 23.7869, 25.5727



22.7315, 23.7869, 24.9815



22.2829, 23.7869, 26.2299



22.4864, 23.7869, 26.8405

Sweetspot

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



22.9384, 23.7879, 25.5732



42.0486, 44.0194, 47.7266



23.2197, 23.8999, 27.0565



9.4393, 9.8851, 10.7209



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.



22.9384, 23.7879, 25.5732



40.4919, 41.7419, 44.6311



23.2145, 24.3401, 25.6652



5.3235, 5.4739, 5.8391



9.6107, 4.9558, 0.4500



0.0639, 0.0330, 0.0030

Inverse Universe

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



23.1339, 24.6836, 27.2123



40.9785, 43.9712, 48.7107



22.8525, 24.1210, 27.1186



5.3954, 5.8031, 6.4416



12.5277, 18.3257, 24.9226



0.0833, 0.1218, 0.1656

Previews

White Background



This preview shows how the XYZ color 22.9377, 23.7869, 25.5727 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 22.9377, 23.7869, 25.5727 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

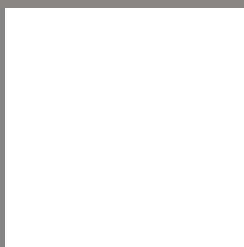
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9377, 23.7869, 25.5727

Background



This preview shows how black text looks on a background with the XYZ color 22.9377, 23.7869, 25.5727.



This preview shows how white text looks on a background with the XYZ color 22.9377, 23.7869,

25.5727.

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

22.9377, 23.7869, 25.5727

Protanopia

22.7745, 23.7028, 25.5650

Deuteranopia

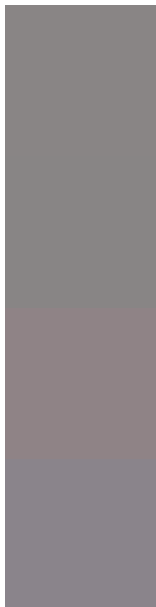
24.3183, 23.8895, 25.8837



Tritanopia

23.6150, 23.8588, 28.9517

Trichromacy



Original Color

22.9377, 23.7869, 25.5727

Protanomaly

22.7745, 23.7028, 25.5650

Deuteranomaly

23.7471, 23.7935, 25.8952

Tritanomaly

23.3927, 23.7699, 27.7812

Monochromacy



Original Color

22.9377, 23.7869, 25.5727

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8198, 23.9223, 25.9690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9377, 23.7869, 25.5727 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, 133, 133)` looks like.

```
.text, #text, p{  
    color:rgb(137, 133, 133)  
}
```

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, 133, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 133, 133) }
```

Border

The CSS property to change the border of an element to XYZ 22.9377, 23.7869, 25.5727 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, 133, 133) }
```


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

```
.border{ border-color:rgb(137, 133, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 133, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 133, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 133, 133);  
box-shadow:4px 4px 4px 4px rgb(137, 133,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9377, 23.7869, 25.5727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 133, 133) }
```

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

```
.background{ background-color: rgb(137,  
133, 133) }
```

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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