

Converting Colors

XYZ(23.6216, 20.7770, 23.0300)

Have a look what the booklet for
XYZ(23.6216, 20.7770, 23.0300)
contains.

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Color

**XYZ(23.7373, 20.8879,
23.2027)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7380
RGB	156, 115, 128
RGB Percent	61%, 45%, 50%
CMY	0.3882, 0.5490, 0.4980
CMYK	0.00, 0.26, 0.18, 0.39
HSL	341°, 17%, 53%
HSV	341°, 26%, 61%
XYZ	23.7373, 20.8879, 23.2027
YIQ	128.7410, 20.2630, 12.7350

Conversions

Conversions Part 2

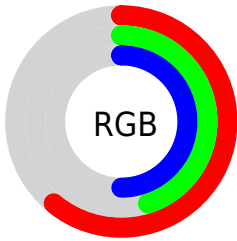
Format	Color
R_{YB}	156, 115, 128
Decimal	10253184
CIE _{Lab}	52.83, 18.21, -0.79
CIE _{LCh}	53, 18.223, 357.504
Yxy	20.8879, 0.3500, 0.3080
Android (android.graphics.Color)	4288443264 (0xFF9C7380)
YUV	128.7410, -0.3653, 23.9061
Hunter-Lab	45.7033, 12.7283, 1.8919

Details

The XYZ color **23.7373, 20.8879, 23.2027** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.9175, 29.4055, 30.4033**, and the grayscale version is **20.7724, 21.8542, 23.7992**.

A 20% lighter version of the original color is **49.0232, 44.8225, 49.7839**, and **9.0684, 7.4040, 8.3483** is the 20% darker color. If you saturate the color by 10%, you get **21.4419, 17.3609, 19.1574**, and if you desaturate by 10%, it is **26.4086, 25.0484, 27.7371**.

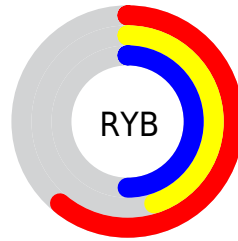
Distribution



Red (61%)

Green (45%)

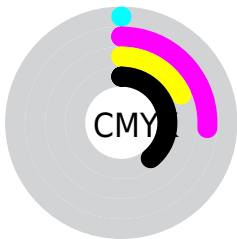
Blue (50%)



Red (61%)

Yellow (45%)

Blue (50%)

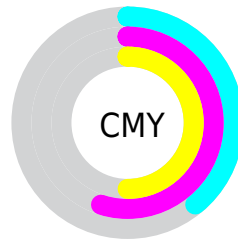


Cyan (0%)

Magenta (26%)

Yellow (18%)

Black (39%)



Cyan (39%)


Magenta (55%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7373, 20.8879, 23.2027 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 23.7373, 20.8879, 23.2027 by changing the saturation by 10% instead.


 23.7373, 20.8879,
23.2027


 23.7373, 20.8879,
23.2027


263.9548,
256.6821, 281.9200


 15.2625, 13.0421,
14.5365


 49.0590, 44.9009,
49.6534


 9.0914, 7.4575,
8.3518


 66.6366, 61.8369,
68.2749

 4.8584, 3.7498,
4.2299

 87.9792, 82.5717,
91.0521

 2.1983, 1.5346,
1.7523

 113.4522,
107.4897, 118.4033

 0.7419, 0.3129,
0.3962

143.4209,
136.9754, 150.7472

 0.0000, 0.0000,
0.0000

178.2507,

171.4131, 188.5022

218.3069,
211.1872, 232.0870

■ 23.7373, 20.8879,
23.2027

■ 23.7373, 20.8879,
23.2027

■ 21.4419, 17.3609,
19.1574

■ 26.4086, 25.0484,
27.7371

■ 19.5031, 14.4333,
15.5830

■ 29.4703, 29.8685,
32.7755

■ 17.9029, 12.0721,
12.4619

■ 32.9383, 35.3765,
38.3336

■ 16.6204, 10.2402,
9.7748

■ 36.8268, 41.5979,
44.4260

■ 15.6328, 8.8956,
7.5010

■ 41.1498, 48.5571,
51.0668

■ 14.9135, 7.9903,
5.6177

■ 45.9203, 56.2775,
58.2696

■ 14.4257, 7.4549,
4.0975

■ 51.1507, 64.7810,
66.0473

■ 14.2744, 7.2936,
3.6118

■ 56.8532, 74.0891,
74.4126

■ 62.9102, 83.9639,
83.3346

Harmonies

Analogous

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



23.1017, 20.8879, 28.8496



23.7373, 20.8879, 23.2027



23.2784, 20.8879, 18.2396

Triad

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



23.7373, 20.8879, 23.2027



18.2112, 20.8879, 14.6582



17.9520, 20.8879, 32.7747

Complementary

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



23.7373, 20.8879, 23.2027



23.9175, 29.4055, 30.4033

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.



16.7819, 20.8879, 27.9334



23.7373, 20.8879, 23.2027



16.9247, 20.8879, 17.5659

Square

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



23.7373, 20.8879, 23.2027



20.0131, 20.8879, 13.7993



16.4180, 20.8879, 22.2901



19.6944, 20.8879, 34.8994

Rectangle

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



23.7373, 20.8879, 23.2027



22.4288, 20.8879, 15.8595



16.4180, 20.8879, 22.2901



17.4830, 20.8879, 31.3767

Sweetspot

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



23.7379, 20.8889, 23.2031



52.4261, 52.5110, 57.7391



23.3449, 20.4431, 34.1682



11.3564, 11.2713, 12.4115



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.7379, 20.8889, 23.2031



40.3881, 33.7393, 37.3737



23.7446, 22.1848, 19.2515



6.7154, 6.6791, 7.3523



11.7720, 6.0134, 3.0503



0.2285, 0.1147, 0.1494

Inverse Universe

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



23.7379, 20.8889, 23.2031



40.3881, 33.7393, 37.3737



23.8455, 27.5934, 35.5219



6.7154, 6.6791, 7.3523



11.7720, 6.0134, 3.0503



0.2285, 0.1147, 0.1494

Previews

White Background



This preview shows how the XYZ color 23.7373, 20.8879, 23.2027 looks on a white background.

Color Contrast Check

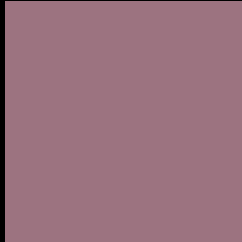
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7373, 20.8879, 23.2027 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 23.7373, 20.8879, 23.2027

Background



This preview shows how black text looks on a background with the XYZ color 23.7373, 20.8879, 23.2027.



This preview shows how white text looks on a background with the XYZ color 23.7373, 20.8879,

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

23.7373, 20.8879, 23.2027

Protanopia

20.3681, 21.0786, 25.5493

Deuteranopia

21.2715, 20.8546, 22.9829



Tritanopia

23.5938, 21.0139, 21.8814

Trichromacy



Original Color

23.7373, 20.8879, 23.2027

Protanomaly

21.4409, 20.9034, 24.7345

Deuteranomaly

22.1046, 20.7457, 22.9180

Tritanomaly

23.6574, 21.0394, 22.2162

Monochromacy



Original Color

23.7373, 20.8879, 23.2027

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.8176, 21.4892, 23.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7373, 20.8879, 23.2027 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(156, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(156, 115, 128)  
}
```

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(156, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 115, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.7373, 20.8879, 23.2027 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(156, 115, 128) }
```


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

```
.border{ border-color:rgb(156, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(156, 115,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7373, 20.8879, 23.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 115, 128) }
```

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

```
.background{ background-color: rgb(156,  
115, 128) }
```

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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