

Converting Colors

XYZ(22.8515, 23.4963, 9.5720)

Have a look what the booklet for
XYZ(22.8515, 23.4963, 9.5720)
contains.

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Color

**XYZ(22.8955, 23.5142,
9.6353)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8249
RGB	156, 130, 73
RGB Percent	61%, 51%, 29%
CMY	0.3882, 0.4902, 0.7137
CMYK	0.00, 0.17, 0.53, 0.39
HSL	41°, 36%, 45%
HSV	41°, 53%, 61%
XYZ	22.8955, 23.5142, 9.6353
YIQ	131.2760, 33.7930, -12.2150

Conversions

Conversions Part 2

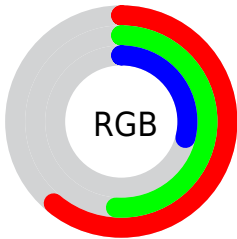
Format	Color
RYB	111, 156, 73
Decimal	10256969
CIELab	55.60, 2.49, 34.32
CIElCh	56, 34.411, 85.846
Yxy	23.5142, 0.4085, 0.4196
Android (android.graphics.Color)	4288447049 (0xFF9C8249)
YUV	131.2760, -28.7301, 21.6829
Hunter-Lab	48.4914, -0.5803, 22.1630

Details

The XYZ color **22.8955, 23.5142, 9.6353** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.2101, 12.7399, 33.2151**, and the grayscale version is **21.7637, 22.8971, 24.9350**.

A 20% lighter version of the original color is **47.6600, 49.2941, 25.7416**, and **8.6084, 8.7842, 2.2191** is the 20% darker color. If you saturate the color by 10%, you get **21.8074, 22.0645, 7.0331**, and if you desaturate by 10%, it is **24.1454, 25.0798, 12.9320**.

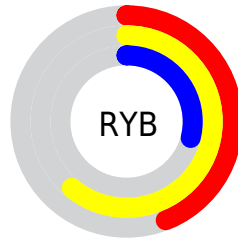
Distribution



Red (61%)

Green (51%)

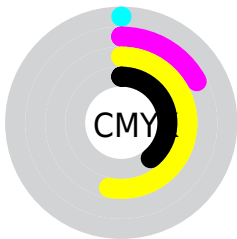
Blue (29%)



Red (44%)

Yellow (61%)

Blue (29%)

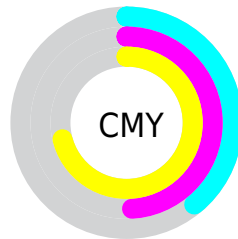


Cyan (0%)

Magenta (17%)

Yellow (53%)

Black (39%)



Cyan (39%)

Magenta (49%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8955, 23.5142, 9.6353 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 22.8955, 23.5142, 9.6353 by changing the saturation by 10% instead.

■ 22.8955, 23.5142,
9.6353

■ 22.8955, 23.5142,
9.6353

259.7332,
270.3551, 198.4383

■ 14.6366, 14.9736,
5.0554

■ 47.6896, 49.2363,
25.7042

■ 8.6494, 8.8009,
2.2205

■ 64.9555, 67.1866,
38.0304

■ 4.5685, 4.6115,
0.6862

■ 85.9546, 89.0423,
53.7756

■ 2.0285, 2.0212,
0.0000

■ 111.0520,
115.1877, 73.3586

■ 0.6499, 0.6197,
0.0000

■ 140.6132,
146.0073, 97.1978

■ 0.0000, 0.0000,
0.0000

175.0036,

181.8855, 125.7118

214.5885,
223.2067, 159.3191

■ 22.8955, 23.5142,
9.6353

■ 22.8955, 23.5142,
9.6353

■ 21.8074, 22.0645,
7.0331

■ 24.1454, 25.0798,
12.9320

■ 20.8690, 20.7225,
5.0719

■ 25.5646, 26.7623,
16.9687

■ 20.0692, 19.4839,
3.6922

■ 27.1622, 28.5668,
21.7886

■ 19.3941, 18.3426,
2.8229

■ 28.9461, 30.4972,
27.4311

■ 18.9825, 17.6124,
2.3991

■ 30.9236, 32.5571,
33.9331

■ 33.1017, 34.7497,
41.3290

■ 35.4869, 37.0784,
49.6516

■ 38.0855, 39.5462,
58.9319

■ 40.9033, 42.1560,
69.1993

Harmonies

Analogous

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



26.8150, 23.5142, 11.6578



22.8955, 23.5142, 9.6353



19.2462, 23.5142, 10.7637

Triad

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



22.8955, 23.5142, 9.6353



16.2739, 23.5142, 36.1172



29.1245, 23.5142, 39.6027

Complementary

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



22.8955, 23.5142, 9.6353



13.2101, 12.7399, 33.2151

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.



25.7697, 23.5142, 50.1102



22.8955, 23.5142, 9.6353



18.4096, 23.5142, 47.7223

Square

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



22.8955, 23.5142, 9.6353



15.6917, 23.5142, 24.0831



21.8123, 23.5142, 53.4446



30.6658, 23.5142, 27.1855

Rectangle

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



22.8955, 23.5142, 9.6353



17.4034, 23.5142, 13.3971



21.8123, 23.5142, 53.4446



28.1539, 23.5142, 43.6010

Sweetspot

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



22.8961, 23.5153, 9.6358



51.5291, 54.2758, 46.4686



18.3586, 12.7395, 13.3671



11.2027, 11.7964, 9.7934



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.



22.8961, 23.5153, 9.6358



39.2354, 39.5570, 11.9474



24.0387, 29.9016, 10.8082



6.9948, 7.3696, 7.0395



15.6677, 14.5711, 1.9867



0.3160, 0.3323, 0.0475

Inverse Universe

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



13.2101, 12.7399, 33.2151



19.7350, 17.9030, 59.5422



12.4285, 9.2509, 32.5829



6.4458, 6.7574, 8.3713



5.8707, 3.8330, 26.3377



0.1404, 0.1394, 0.4827

Previews

White Background



This preview shows how the XYZ color 22.8955, 23.5142, 9.6353 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 22.8955, 23.5142, 9.6353 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 22.8955, 23.5142, 9.6353

Background



This preview shows how black text looks on a background with the XYZ color 22.8955, 23.5142, 9.6353.



This preview shows how white text looks on a background with the XYZ color 22.8955, 23.5142,

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

22.8955, 23.5142, 9.6353

Protanopia

21.6562, 23.4725, 9.8678

Deuteranopia

23.9297, 23.4597, 9.7455



Tritanopia

26.0145, 23.4364, 25.3429

Trichromacy



Original Color

22.8955, 23.5142, 9.6353

Protanomaly

22.0650, 23.4810, 9.8479

Deuteranomaly

23.4524, 23.4063, 9.7604

Tritanomaly

24.6282, 23.4403, 18.2653

Monochromacy



Original Color

22.8955, 23.5142, 9.6353

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.7460, 22.9338, 18.0324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8955, 23.5142, 9.6353 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, 130, 73)` looks like.

```
.text, #text, p{  
    color:rgb(156, 130, 73)  
}
```

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, 130, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 130, 73) }
```

Border

The CSS property to change the border of an element to XYZ 22.8955, 23.5142, 9.6353 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, 130, 73) }
```


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

```
.border{ border-color:rgb(156, 130, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 130, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 130, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 130, 73);  
box-shadow:4px 4px 4px 4px rgb(156, 130,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8955, 23.5142, 9.6353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 130, 73) }
```

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

```
.background{ background-color: rgb(156,  
130, 73) }
```

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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