

Converting Colors

XYZ(23.5229, 24.1950, 11.6139)

Have a look what the booklet for
XYZ(23.5229, 24.1950, 11.6139)
contains.

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Color

**XYZ(23.5229, 24.1950,
11.6139)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8453
RGB	156, 132, 83
RGB Percent	61%, 52%, 33%
CMY	0.3882, 0.4823, 0.6745
CMYK	0.00, 0.15, 0.47, 0.39
HSL	40°, 31%, 47%
HSV	40°, 47%, 61%
XYZ	23.5229, 24.1950, 11.6139
YIQ	133.5900, 30.0330, -10.1510

Conversions

Conversions Part 2

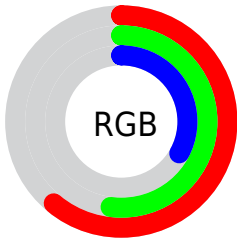
Format	Color
R_{YB}	119, 156, 83
Decimal	10257491
CIE _{Lab}	56.28, 2.36, 29.78
CIE _{LCh}	56, 29.869, 85.470
Yxy	24.1950, 0.3965, 0.4078
Android (android.graphics.Color)	4288447571 (0xFF9C8453)
YUV	133.5900, -24.9409, 19.6536
Hunter-Lab	49.1884, -0.7174, 20.4329

Details

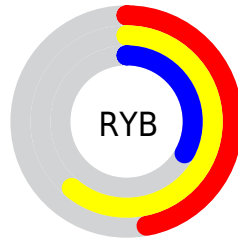
The XYZ color **23.5229, 24.1950, 11.6139** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.8255, 14.7541, 33.5188**, and the grayscale version is **22.5909, 23.7674, 25.8827**.

A 20% lighter version of the original color is **48.7340, 50.3884, 29.3477**, and **9.0052, 9.1975, 2.9697** is the 20% darker color. If you saturate the color by 10%, you get **22.3089, 22.6248, 8.5648**, and if you desaturate by 10%, it is **24.9078, 25.8901, 15.3892**.

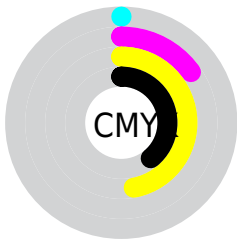
Distribution



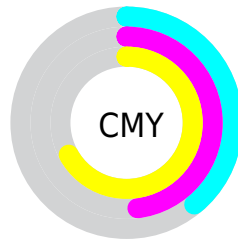
- Red (61%)
- Green (52%)
- Blue (33%)



- Red (47%)
- Yellow (61%)
- Blue (33%)



- Cyan (0%)
- Magenta (15%)
- Yellow (47%)
- Black (39%)



- Cyan (39%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5229, 24.1950, 11.6139 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 23.5229, 24.1950, 11.6139 by changing the saturation by 10% instead.

■ 23.5229, 24.1950,
11.6139

■ 23.5229, 24.1950,
11.6139

262.8849,
273.8049, 212.7186

■ 15.1029, 15.4783,
6.3620

■ 48.7109, 50.3482,
29.4437

■ 8.9784, 9.1558,
2.9941

■ 66.2096, 68.5536,
42.8588

■ 4.7841, 4.8429,
1.0916

■ 87.4652, 90.6906,
59.8319

■ 2.1546, 2.1554,
0.0000

■ 112.8431,
117.1437, 80.7817

■ 0.7186, 0.6955,
0.0000

■ 142.7087,
148.2973, 106.1268

■ 0.0000, 0.0000,
0.0000

177.4273,

184.5358, 136.2856

217.3643,
226.2435, 171.6767

■ 23.5229, 24.1950,
11.6139

■ 23.5229, 24.1950,
11.6139

■ 22.3089, 22.6248,
8.5648

■ 24.9078, 25.8901,
15.3892

■ 21.2543, 21.1714,
6.1917

■ 26.4707, 27.7109,
19.9333

■ 20.3489, 19.8308,
4.4405

■ 28.2204, 29.6626,
25.2873

■ 19.5803, 18.5973,
3.2479

■ 30.1643, 31.7490,
31.4889

■ 18.9294, 17.4623,
2.5165

■ 32.3096, 33.9735,
38.5735

■ 18.7334, 17.1142,
2.3160

■ 34.6631, 36.3398,
46.5742

■ 37.2311, 38.8508,
55.5228

■ 40.0198, 41.5099,
65.4493

■ 43.0351, 44.3200,
76.3824

Harmonies

Analogous

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



26.9530, 24.1950, 13.6178



23.5229, 24.1950, 11.6139



20.2680, 24.1950, 12.6769

Triad

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



23.5229, 24.1950, 11.6139



17.5275, 24.1950, 35.3584



28.8870, 24.1950, 38.6056

Complementary

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



23.5229, 24.1950, 11.6139



14.8255, 14.7541, 33.5188

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.



25.9598, 24.1950, 47.4118



23.5229, 24.1950, 11.6139



19.4477, 24.1950, 45.2329

Square

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



23.5229, 24.1950, 11.6139



17.0134, 24.1950, 24.8765



22.4783, 24.1950, 50.0973



30.2400, 24.1950, 27.8686

Rectangle

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



23.5229, 24.1950, 11.6139



18.5966, 24.1950, 15.1684



22.4783, 24.1950, 50.0973



28.0411, 24.1950, 41.9852

Sweetspot

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



23.5235, 24.1961, 11.6144



52.1113, 54.8064, 48.6165



19.4751, 14.3232, 15.7405



11.3160, 11.8959, 10.2234



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.



23.5235, 24.1961, 11.6144



40.4549, 41.0070, 15.4023



24.9223, 30.3157, 12.7219



6.9863, 7.3525, 7.0366



15.4632, 14.1620, 1.9185



0.3134, 0.3271, 0.0466

Inverse Universe

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



14.8255, 14.7541, 33.5188



22.7220, 21.7808, 60.1333



13.8309, 11.0289, 32.8522



6.4540, 6.7737, 8.3740



5.9569, 4.0054, 26.3664



0.1430, 0.1445, 0.4836

Previews

White Background



This preview shows how the XYZ color 23.5229, 24.1950, 11.6139 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 23.5229, 24.1950, 11.6139 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 23.5229, 24.1950, 11.6139

Background



This preview shows how black text looks on a background with the XYZ color 23.5229, 24.1950, 11.6139.



This preview shows how white text looks on a background with the XYZ color 23.5229, 24.1950,

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

23.5229, 24.1950, 11.6139

Protanopia

22.2968, 24.1711, 11.8778

Deuteranopia

24.5547, 24.1271, 11.7503



Tritanopia

26.5320, 24.2480, 26.2036

Trichromacy



Original Color

23.5229, 24.1950, 11.6139

Protanomaly

22.7030, 24.1743, 11.8570

Deuteranomaly

24.0801, 24.0789, 11.7660

Tritanomaly

25.1696, 24.0702, 19.8424

Monochromacy



Original Color

23.5229, 24.1950, 11.6139

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.6374, 23.7636, 19.6134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5229, 24.1950, 11.6139 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, 132, 83)` looks like.

```
.text, #text, p{  
    color:rgb(156, 132, 83)  
}
```

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, 132, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 132, 83) }
```

Border

The CSS property to change the border of an element to XYZ 23.5229, 24.1950, 11.6139 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, 132, 83) }
```


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

```
.border{ border-color:rgb(156, 132, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 132, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 132, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 132, 83);  
box-shadow:4px 4px 4px 4px rgb(156, 132,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5229, 24.1950, 11.6139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 132, 83) }
```

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

```
.background{ background-color: rgb(156,  
132, 83) }
```

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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