

Converting Colors

XYZ(23.6778, 23.5349, 9.7089)

Have a look what the booklet for
XYZ(23.6778, 23.5349, 9.7089)
contains.

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Color

**XYZ(23.6531, 23.5098,
9.7698)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A1804A |
| RGB | 161, 128, 74 |
| RGB Percent | 63%, 50%, 29% |
| CMY | 0.3686, 0.4980, 0.7098 |
| CMYK | 0.00, 0.20, 0.54, 0.37 |
| HSL | 37°, 37%, 46% |
| HSV | 37°, 54%, 63% |
| XYZ | 23.6531, 23.5098, 9.7698 |
| YIQ | 131.7110, 37.0020, -9.7980 |

Conversions

Conversions Part 2

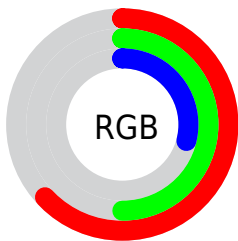
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 127, 161, 74 |
| Decimal | 10584138 |
| CIE Lab | 55.59, 5.91, 33.90 |
| CIE LCh | 56, 34.410, 80.117 |
| Yxy | 23.5098, 0.4155, 0.4129 |
| Android (android.graphics.Color) | 4288774218 (0xFFA1804A) |
| YUV | 131.7110, -28.4515, 25.6865 |
| Hunter-Lab | 48.4869, 2.2246, 21.9943 |

Details

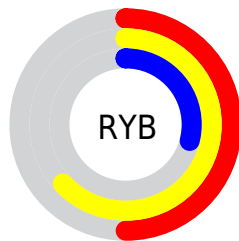
The XYZ color **23.6531, 23.5098, 9.7698** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.5145, 14.5439, 35.7602**, and the grayscale version is **21.9184, 23.0598, 25.1122**.

A 20% lighter version of the original color is **49.0754, 49.4084, 26.0190**, and **9.0572, 8.7969, 2.2575** is the 20% darker color. If you saturate the color by 10%, you get **22.4061, 21.7756, 7.0121**, and if you desaturate by 10%, it is **25.0880, 25.3977, 13.2755**.

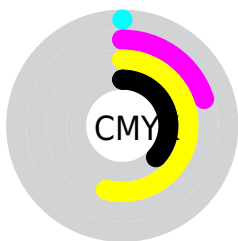
Distribution



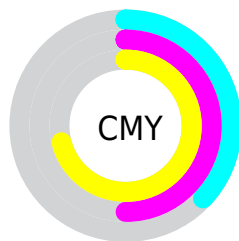
- Red (63%)
- Green (50%)
- Blue (29%)



- Red (50%)
- Yellow (63%)
- Blue (29%)



- Cyan (0%)
- Magenta (20%)
- Yellow (54%)
- Black (37%)



- Cyan (37%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6531, 23.5098, 9.7698 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 23.6531, 23.5098, 9.7698 by changing the saturation by 10% instead.

■ 23.6531, 23.5098,
9.7698

■ 23.6531, 23.5098,
9.7698

263.5351,
270.3327, 199.4459

■ 15.1998, 14.9704,
5.1430

■ 48.9223, 49.2291,
25.9626

■ 9.0470, 8.7986,
2.2712

■ 66.4690, 67.1777,
38.3657

■ 4.8292, 4.6101,
0.7150

■ 87.7775, 89.0316,
54.1980

■ 2.1811, 2.0203,
0.0000

■ 113.2132,
115.1750, 73.8780

■ 0.7328, 0.6192,
0.0000

■ 143.1414,
145.9925, 97.8242

■ 0.0000, 0.0000,
0.0000

177.9276,

181.8683, 126.4552

217.9370,
223.1869, 160.1896

■ 23.6531, 23.5098,
9.7698

■ 23.6531, 23.5098,
9.7698

■ 22.4061, 21.7756,
7.0121

■ 25.0880, 25.3977,
13.2755

■ 21.3337, 20.1857,
4.9438

■ 26.7196, 27.4414,
17.5792

■ 20.4231, 18.7345,
3.4996

■ 28.5581, 29.6471,
22.7278

■ 19.6586, 17.4143,
2.6009

■ 30.6124, 32.0196,
28.7644

■ 19.2491, 16.6795,
2.2049

■ 32.8908, 34.5635,
35.7292

■ 35.4011, 37.2831,
43.6597

■ 38.1508, 40.1825,
52.5915

■ 41.1469, 43.2658,
62.5583

■ 44.3962, 46.5366,
73.5923

Harmonies

Analogous

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



27.4894, 23.5098, 12.4343



23.6531, 23.5098, 9.7698



19.8718, 23.5098, 10.2991

Triad

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



23.6531, 23.5098, 9.7698



16.0356, 23.5098, 33.6896



28.5861, 23.5098, 41.9255

Complementary

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



23.6531, 23.5098, 9.7698



14.5145, 14.5439, 35.7602

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.



25.0161, 23.5098, 51.4211



23.6531, 23.5098, 9.7698



17.8867, 23.5098, 45.7902

Square

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



23.6531, 23.5098, 9.7698



15.7606, 23.5098, 22.0967



21.0867, 23.5098, 53.0106



30.5480, 23.5098, 29.4513

Rectangle

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



23.6531, 23.5098, 9.7698



17.8666, 23.5098, 12.4689



21.0867, 23.5098, 53.0106



27.5162, 23.5098, 45.7076

Sweetspot

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



23.6537, 23.5109, 9.7703



53.9569, 56.3561, 48.9238



19.8191, 13.5438, 15.5765



11.6764, 12.1793, 10.2644



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.6537, 23.5109, 9.7703



39.6822, 38.3547, 11.6472



26.7155, 32.5489, 11.3534



7.4227, 7.7837, 7.4913



15.4139, 13.4018, 1.7744



0.3673, 0.3683, 0.0517

Inverse Universe

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



14.5145, 14.5439, 35.7602



21.5825, 20.6318, 63.2313



12.5516, 9.3628, 34.8636



6.9104, 7.2797, 8.9440



6.5101, 4.7995, 27.5131



0.1814, 0.1901, 0.5930

Previews

White Background



This preview shows how the XYZ color 23.6531, 23.5098, 9.7698 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 23.6531, 23.5098, 9.7698 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 23.6531, 23.5098, 9.7698

Background



This preview shows how black text looks on a background with the XYZ color 23.6531, 23.5098, 9.7698.



This preview shows how white text looks on a background with the XYZ color 23.6531, 23.5098,

9.7698.

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

23.6531, 23.5098, 9.7698

Protanopia

21.5461, 23.4079, 10.2200

Deuteranopia

23.9297, 23.4597, 9.7455



Tritanopia

26.6600, 23.4204, 24.5882

Trichromacy



Original Color

23.6531, 23.5098, 9.7698

Protanomaly

22.1488, 23.3199, 9.9904

Deuteranomaly

23.7257, 23.3545, 9.7360

Tritanomaly

25.3320, 23.4336, 17.9398

Monochromacy



Original Color

23.6531, 23.5098, 9.7698

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.3132, 23.2199, 18.3448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6531, 23.5098, 9.7698 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(161, 128, 74)` looks like.

```
.text, #text, p{  
    color:rgb(161, 128, 74)  
}
```

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(161, 128, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 128, 74) }
```

Border

The CSS property to change the border of an element to XYZ 23.6531, 23.5098, 9.7698 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(161, 128, 74) }
```


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

```
.border{ border-color:rgb(161, 128, 74) }
```

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

Here you see how a box with a 4 pixel rgb(161, 128, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 128, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 128, 74);  
box-shadow:4px 4px 4px 4px rgb(161, 128,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6531, 23.5098, 9.7698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 128, 74) }
```

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

```
.background{ background-color: rgb(161,  
128, 74) }
```

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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