

Converting Colors

XYZ(23.9655, 25.8807, 5.2045)

Have a look what the booklet for
XYZ(23.9655, 25.8807, 5.2045)
contains.

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Color

**XYZ(23.8602, 25.7603,
5.1535)**

Conversions

Conversions Part 1

Format	Color
Hex	A08A21
RGB	160, 138, 33
RGB Percent	63%, 54%, 13%
CMY	0.3726, 0.4588, 0.8706
CMYK	0.00, 0.14, 0.79, 0.37
HSL	50°, 66%, 38%
HSV	50°, 79%, 63%
XYZ	23.8602, 25.7603, 5.1535
YIQ	132.6080, 46.8170, -27.9910

Conversions

Conversions Part 2

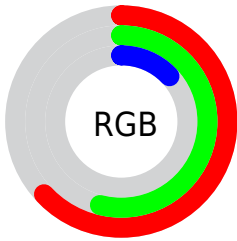
Format	Color
RYB	60, 160, 33
Decimal	10521121
CIELab	57.81, -2.73, 54.91
CIELCh	58, 54.979, 92.843
Yxy	25.7603, 0.4356, 0.4703
Android (android.graphics.Color)	4288711201 (0xFFA08A21)
YUV	132.6080, -49.1067, 24.0228
Hunter-Lab	50.7546, -4.9061, 29.5081

Details

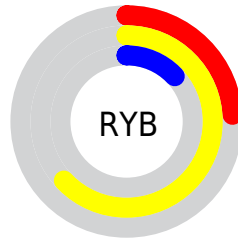
The XYZ color **23.8602, 25.7603, 5.1535** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.3386, 5.5938, 33.8978**, and the grayscale version is **22.3133, 23.4753, 25.5646**.

A 20% lighter version of the original color is **49.2645, 52.8551, 16.6224**, and **9.2813, 10.0878, 1.4580** is the 20% darker color. If you saturate the color by 10%, you get **23.2949, 24.9071, 4.1103**, and if you desaturate by 10%, it is **24.5434, 26.6789, 6.7621**.

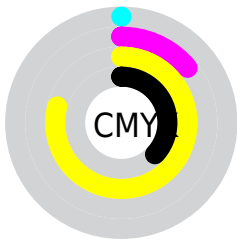
Distribution



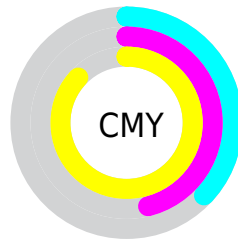
- Red (63%)
- Green (54%)
- Blue (13%)



- Red (24%)
- Yellow (63%)
- Blue (13%)



- Cyan (0%)
- Magenta (14%)
- Yellow (79%)
- Black (37%)





- Cyan (37%)
- Magenta (46%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8602, 25.7603, 5.1535 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 23.8602, 25.7603, 5.1535 by changing the saturation by 10% instead.


 23.8602, 25.7603,
5.1535


 23.8602, 25.7603,
5.1535


264.5665,
281.6034, 160.2936


 15.3541, 16.6444,
2.2773


 49.2583, 52.8880,
16.5931


 9.1562, 9.9813,
0.7185


 66.8811, 71.6686,
25.9935

 4.9011, 5.3866,
0.0000

 88.2734, 94.4395,
38.4058

 2.2235, 2.4758,
0.0000

 113.8007,
121.5852, 54.2485

 0.7551, 0.8645,
0.0000

 143.8283,
153.4901, 73.9400

 0.0000, 0.0000,
0.0000

 178.7216,

190.5385, 97.8990

218.8459,
233.1148, 126.5440

■ 23.8602, 25.7603,
5.1535

■ 23.8602, 25.7603,
5.1535

■ 23.2949, 24.9071,
4.1103

■ 24.5434, 26.6789,
6.7621

■ 22.8167, 24.1038,
3.4788

■ 25.3561, 27.6647,
9.0050

■ 22.7875, 24.0543,
3.4419

■ 26.3104, 28.7235,
11.9428

■ 27.4165, 29.8597,
15.6287

■ 28.6835, 31.0770,
20.1106

■ 30.1199, 32.3788,
25.4324

■ 31.7334, 33.7683,
31.6350

■ 33.5314, 35.2487,
38.7563

■ 35.5207, 36.8228,
46.8323

Harmonies

Analogous

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



30.7472, 25.7603, 6.5433



23.8602, 25.7603, 5.1535



18.2252, 25.7603, 7.2507

Triad

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



23.8602, 25.7603, 5.1535



15.2932, 25.7603, 52.7449



37.6043, 25.7603, 48.1286

Complementary

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



23.8602, 25.7603, 5.1535



8.3386, 5.5938, 33.8978

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.



32.0340, 25.7603, 71.0192



23.8602, 25.7603, 5.1535



19.1356, 25.7603, 74.4217

Square

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



23.8602, 25.7603, 5.1535



13.8687, 25.7603, 29.8905



25.1194, 25.7603, 82.2783



39.4765, 25.7603, 26.2839

Rectangle

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



23.8602, 25.7603, 5.1535



15.6972, 25.7603, 11.3223



25.1194, 25.7603, 82.2783



36.0583, 25.7603, 56.2345

Sweetspot

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



23.8608, 25.7615, 5.1540



53.3225, 57.5681, 41.0640



15.7619, 8.8498, 4.6557



11.5070, 12.4540, 8.3167



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.



23.8608, 25.7615, 5.1540



41.6508, 44.1342, 6.6238



20.5612, 29.2290, 5.9972



7.0724, 7.5247, 7.0653



17.7795, 18.7945, 2.6906



0.3414, 0.3831, 0.0559

Inverse Universe

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



8.3386, 5.5938, 33.8978



12.5850, 6.5420, 60.9860



9.6534, 5.0510, 33.7237



6.3730, 6.6118, 8.3470



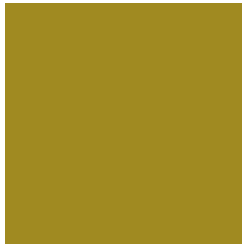
5.2847, 2.6610, 26.1423



0.1171, 0.0929, 0.4750

Previews

White Background



This preview shows how the XYZ color 23.8602, 25.7603, 5.1535 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 23.8602, 25.7603, 5.1535 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 23.8602, 25.7603, 5.1535

Background



This preview shows how black text looks on a background with the XYZ color 23.8602, 25.7603, 5.1535.



This preview shows how white text looks on a background with the XYZ color 23.8602, 25.7603,

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

23.8602, 25.7603, 5.1535

Protanopia

23.2174, 25.6430, 5.1647

Deuteranopia

26.2489, 25.7439, 5.2547



Tritanopia

28.4468, 25.7801, 27.9028

Trichromacy



Original Color

23.8602, 25.7603, 5.1535

Protanomaly

23.4118, 25.7431, 5.1738

Deuteranomaly

25.4060, 25.7176, 5.2151

Tritanomaly

25.8614, 25.3151, 15.5799

Monochromacy



Original Color

23.8602, 25.7603, 5.1535

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.1493, 24.0307, 14.7802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8602, 25.7603, 5.1535 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(160, 138, 33)` looks like.

```
.text, #text, p{  
    color:rgb(160, 138, 33)  
}
```

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(160, 138, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 138, 33) }
```

Border

The CSS property to change the border of an element to XYZ 23.8602, 25.7603, 5.1535 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(160, 138, 33) }
```


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

```
.border{ border-color:rgb(160, 138, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 138, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 138, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 138, 33);  
box-shadow:4px 4px 4px 4px rgb(160, 138,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8602, 25.7603, 5.1535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 138, 33) }
```

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

```
.background{ background-color: rgb(160,  
138, 33) }
```

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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