

Converting Colors

XYZ(23.7378, 23.5036, 3.2855)

Have a look what the booklet for
XYZ(23.7378, 23.5036, 3.2855)
contains.

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Color

**XYZ(23.7378, 23.5036,
3.2855)**

Conversions

Conversions Part 1

Format	Color
Hex	A87F00
RGB	168, 127, 0
RGB Percent	66%, 50%, 0%
CMY	0.3412, 0.5019, 1.0000
CMYK	0.00, 0.24, 1.00, 0.34
HSL	45°, 100%, 33%
HSV	45°, 100%, 66%
XYZ	23.7378, 23.5036, 3.2855
YIQ	124.7810, 65.2030, -30.8050

Conversions

Conversions Part 2

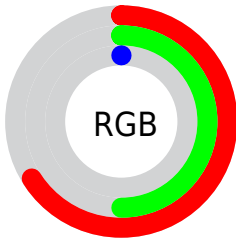
Format	Color
R_{YB}	54, 168, 0
Decimal	11042560
CIE Lab	55.59, 6.31, 61.16
CIE LCh	56, 61.486, 84.111
Yxy	23.5036, 0.4698, 0.4652
Android (android.graphics.Color)	4289232640 (0xFFA87F00)
YUV	124.7810, -61.5170, 37.9031
Hunter-Lab	48.4805, 2.5591, 29.9183

Details

The XYZ color **23.7378, 23.5036, 3.2855** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.8609, 4.4132, 37.4829**, and the grayscale version is **19.6051, 20.6261, 22.4619**.

A 20% lighter version of the original color is **48.8420, 48.9884, 12.3503**, and **9.2799, 8.8283, 1.2149** is the 20% darker color. If you saturate the color by 10%, you get **23.7380, 23.5043, 3.2856**, and if you desaturate by 10%, it is **24.3783, 24.6253, 3.9907**.

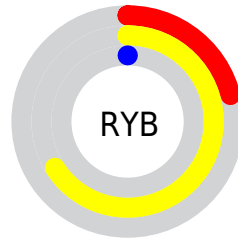
Distribution



Red (66%)

Green (50%)

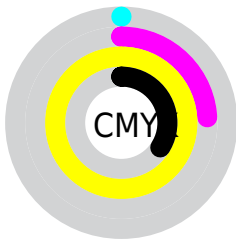
Blue (0%)



Red (21%)

Yellow (66%)

Blue (0%)

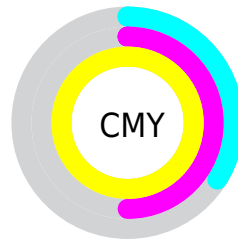


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7378, 23.5036, 3.2855 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 23.7378, 23.5036, 3.2855 by changing the saturation by 10% instead.


 23.7378, 23.5036,
3.2855


 23.7378, 23.5036,
3.2855


263.9573,
270.3011, 139.9177


 15.2629, 14.9658,
1.2422


 49.0598, 49.2189,
12.3252


 9.0916, 8.7954,
0.0137


 66.6376, 67.1652,
20.1586


 4.8586, 4.6080,
0.0000

 87.9804, 89.0165,
30.7591

 2.1984, 2.0191,
0.0000

 113.4536,
115.1572, 44.5454

 0.7419, 0.6186,
0.0000

 143.4226,
145.9715, 61.9358

 0.0000, 0.0000,
0.0000

 178.2526,

181.8441, 83.3490

218.3091,
223.1591, 109.2034

23.7378, 23.5036,
3.2855

23.7378, 23.5036,
3.2855

23.7380, 23.5043,
3.2856

24.3783, 24.6253,
3.9907

25.1239, 25.8230,
5.1440

26.0095, 27.1119,
6.9262

27.0508, 28.4987,
9.4179

28.2609, 29.9892,
12.6880

■ 29.6516, 31.5882,
16.7968

■ 31.2335, 33.3005,
21.7989

■ 33.0163, 35.1303,
27.7441

■ 35.0089, 37.0815,
34.6787

Harmonies

Analogous

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



31.1180, 23.5036, 5.4292



23.7378, 23.5036, 3.2855



17.3161, 23.5036, 4.1496

Triad

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



23.7378, 23.5036, 3.2855



12.2328, 23.5036, 44.6103



34.9991, 23.5036, 55.1963

Complementary

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



23.7378, 23.5036, 3.2855



7.8609, 4.4132, 37.4829

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.



28.2509, 23.5036, 78.7792



23.7378, 23.5036, 3.2855



15.3898, 23.5036, 70.7639

Square

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



23.7378, 23.5036, 3.2855



11.5147, 23.5036, 21.8646



20.9972, 23.5036, 85.6011



38.4303, 23.5036, 29.7193

Rectangle

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



23.7378, 23.5036, 3.2855



14.2738, 23.5036, 6.7821



20.9972, 23.5036, 85.6011



32.9836, 23.5036, 64.0442

Sweetspot

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



23.7383, 23.5048, 3.2860



56.5097, 60.2514, 39.0096



16.5664, 8.4921, 2.9570



12.0568, 12.8547, 7.6693



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.7383, 23.5048, 3.2860



42.9009, 42.3010, 5.9038



22.6069, 32.4407, 5.0704



7.9895, 8.4590, 8.0009



17.9677, 17.8327, 2.4951



0.4735, 0.5066, 0.0728

Inverse Universe

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



7.8609, 4.4132, 37.4829



14.1224, 7.7237, 67.9716



8.0230, 3.3196, 37.2633



7.2750, 7.5869, 9.4993



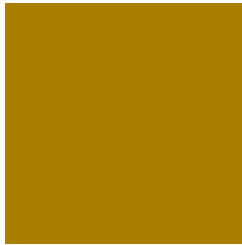
5.9710, 3.4022, 28.3175



0.1839, 0.1600, 0.7018

Previews

White Background



This preview shows how the XYZ color 23.7378, 23.5036, 3.2855 looks on a white background.

Color Contrast Check

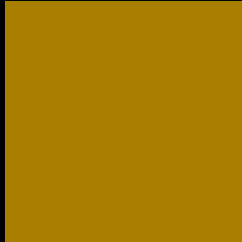
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7378, 23.5036, 3.2855 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 23.7378, 23.5036, 3.2855

Background



This preview shows how black text looks on a background with the XYZ color 23.7378, 23.5036, 3.2855.



This preview shows how white text looks on a background with the XYZ color 23.7378, 23.5036,

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

23.7378, 23.5036, 3.2855

Protanopia

21.3369, 23.6492, 3.6986

Deuteranopia

23.9735, 23.6225, 3.4109



Tritanopia

27.7648, 23.4878, 23.1489

Trichromacy



Original Color

23.7378, 23.5036, 3.2855

Protanomaly

22.0538, 23.4138, 3.5293

Deuteranomaly

23.9680, 23.6203, 3.3821

Tritanomaly

25.3358, 23.0395, 10.8963

Monochromacy



Original Color

23.7378, 23.5036, 3.2855

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8933, 21.1636, 10.6259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7378, 23.5036, 3.2855 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(168, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 127, 0)  
}
```

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(168, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.7378, 23.5036, 3.2855 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(168, 127, 0) }
```


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

```
.border{ border-color:rgb(168, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7378, 23.5036, 3.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 127, 0) }
```

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

```
.background{ background-color: rgb(168,  
127, 0) }
```

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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