

Converting Colors

XYZ(23.5172, 22.9053, 3.3839)

Have a look what the booklet for
XYZ(23.5172, 22.9053, 3.3839)
contains.

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Color

**XYZ(23.3945, 22.7555,
3.3602)**

Conversions

Conversions Part 1

Format	Color
Hex	A87C07
RGB	168, 124, 7
RGB Percent	66%, 49%, 3%
CMY	0.3412, 0.5137, 0.9725
CMYK	0.00, 0.26, 0.96, 0.34
HSL	44°, 92%, 34%
HSV	44°, 96%, 66%
XYZ	23.3945, 22.7555, 3.3602
YIQ	123.8180, 63.7810, -27.0590

Conversions

Conversions Part 2

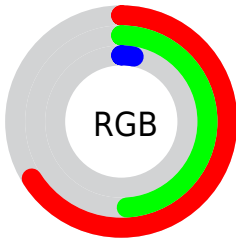
Format	Color
RYB	68, 168, 7
Decimal	11041799
CIELab	54.82, 8.09, 59.37
CIElCh	55, 59.918, 82.238
Yxy	22.7555, 0.4725, 0.4596
Android (android.graphics.Color)	4289231879 (0xFFA87C07)
YUV	123.8180, -57.5913, 38.7476
Hunter-Lab	47.7027, 4.0607, 29.2155

Details

The XYZ color **23.3945, 22.7555, 3.3602** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.3395, 5.2402, 37.6175**, and the grayscale version is **19.2692, 20.2727, 22.0770**.

A 20% lighter version of the original color is **48.3094, 47.8238, 12.4791**, and **9.1400, 8.5484, 1.1683** is the 20% darker color. If you saturate the color by 10%, you get **23.1190, 22.2659, 3.0793**, and if you desaturate by 10%, it is **24.1083, 23.9841, 4.2124**.

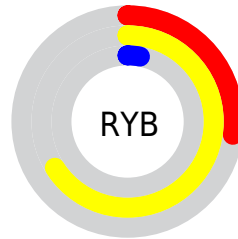
Distribution



Red (66%)

Green (49%)

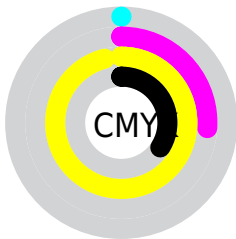
Blue (3%)



Red (27%)

Yellow (66%)

Blue (3%)

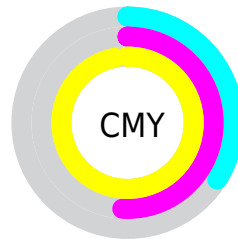


Cyan (0%)

Magenta (26%)

Yellow (96%)

Black (34%)



Cyan (34%)

Magenta (51%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3945, 22.7555, 3.3602 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 23.3945, 22.7555, 3.3602 by changing the saturation by 10% instead.

■ 23.3945, 22.7555,
3.3602

■ 23.3945, 22.7555,
3.3602

262.2425,
266.4667, 140.8238

■ 15.0074, 14.4131,
1.2814

■ 48.5022, 47.9915,
12.5050

■ 8.9109, 8.4085,
0.0464

■ 65.9535, 65.6540,
20.4081

■ 4.7398, 4.3574,
0.0000

■ 87.1568, 87.1918,
31.0897

■ 2.1286, 1.8755,
0.0000

■ 112.4776,
112.9895, 44.9683

■ 0.7047, 0.5336,
0.0000

■ 142.2813,
143.4315, 62.4624

■ 0.0000, 0.0000,
0.0000

■ 176.9330,

178.9021, 83.9907

216.7983,
219.7857, 109.9717

23.3945, 22.7555,
3.3602

23.3945, 22.7555,
3.3602

23.1190, 22.2659,
3.0793

24.1083, 23.9841,
4.2124

24.9549, 25.3084,
5.6318

25.9537, 26.7375,
7.7173

27.1193, 28.2779,
10.5440

28.4644, 29.9351,
14.1769

■ 30.0003, 31.7143,
18.6738

■ 31.7372, 33.6199,
24.0872

■ 33.6846, 35.6564,
30.4653

■ 35.8513, 37.8277,
37.8530

Harmonies

Analogous

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



30.4029, 22.7555, 5.6809



23.3945, 22.7555, 3.3602



17.1575, 22.7555, 4.0281

Triad

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



23.3945, 22.7555, 3.3602



11.8517, 22.7555, 41.3038



33.3405, 22.7555, 54.4985

Complementary

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



23.3945, 22.7555, 3.3602



8.3395, 5.2402, 37.6175

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.



26.8155, 22.7555, 76.1968



23.3945, 22.7555, 3.3602



14.7290, 22.7555, 66.2467

Square

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



23.3945, 22.7555, 3.3602



11.3041, 22.7555, 20.1700



19.9535, 22.7555, 81.3393



36.8614, 22.7555, 30.0367

Rectangle

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



23.3945, 22.7555, 3.3602



14.1469, 22.7555, 6.3949



19.9535, 22.7555, 81.3393



31.3693, 22.7555, 62.7811

Sweetspot

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



23.3950, 22.7566, 3.3606



56.3813, 59.7007, 39.8726



16.8584, 8.7305, 4.1193



12.0103, 12.7055, 7.8266



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.



23.3950, 22.7566, 3.3606



41.7658, 40.0308, 5.5254



23.7325, 33.0166, 5.3232



7.9709, 8.4219, 7.9948



17.5028, 16.9030, 2.3401



0.4651, 0.4897, 0.0700

Inverse Universe

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



8.3395, 5.2402, 37.6175



14.4379, 8.3545, 68.0767



8.0942, 3.4691, 37.2886



7.2924, 7.6218, 9.5051



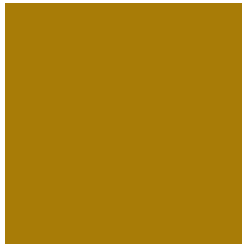
6.1103, 3.6808, 28.3639



0.1904, 0.1730, 0.7040

Previews

White Background



This preview shows how the XYZ color 23.3945, 22.7555, 3.3602 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 23.3945, 22.7555, 3.3602 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 23.3945, 22.7555, 3.3602

Background



This preview shows how black text looks on a background with the XYZ color 23.3945, 22.7555, 3.3602.



This preview shows how white text looks on a background with the XYZ color 23.3945, 22.7555,

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

23.3945, 22.7555, 3.3602

Protanopia

20.5304, 22.8250, 3.6714

Deuteranopia

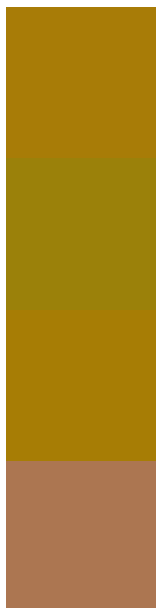
23.0814, 22.7830, 3.2959



Tritanopia

27.2244, 22.7154, 22.0184

Trichromacy



Original Color

23.3945, 22.7555, 3.3602

Protanomaly

21.4226, 22.6910, 3.5379

Deuteranomaly

23.2974, 22.8937, 3.3346

Tritanomaly

24.9769, 22.3216, 10.7767

Monochromacy



Original Color

23.3945, 22.7555, 3.3602

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5081, 20.5848, 10.7297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3945, 22.7555, 3.3602 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, 124, 7)` looks like.

```
.text, #text, p{  
    color:rgb(168, 124, 7)  
}
```

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, 124, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 124, 7) }
```

Border

The CSS property to change the border of an element to XYZ 23.3945, 22.7555, 3.3602 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, 124, 7) }
```


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

```
.border{ border-color:rgb(168, 124, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 124, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 124, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 124, 7);  
box-shadow:4px 4px 4px 4px rgb(168, 124,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3945, 22.7555, 3.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 124, 7) }
```

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

```
.background{ background-color: rgb(168,  
124, 7) }
```

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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