

Converting Colors

XYZ(23.5144, 23.3596, 7.1561)

Have a look what the booklet for
XYZ(23.5144, 23.3596, 7.1561)
contains.

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Color

**XYZ(23.4321, 23.2607,
7.1256)**

Conversions

Conversions Part 1

Format	Color
Hex	A37F39
RGB	163, 127, 57
RGB Percent	64%, 50%, 22%
CMY	0.3608, 0.5019, 0.7765
CMYK	0.00, 0.22, 0.65, 0.36
HSL	40°, 48%, 43%
HSV	40°, 65%, 64%
XYZ	23.4321, 23.2607, 7.1256
YIQ	129.7840, 43.9260, -14.1380

Conversions

Conversions Part 2

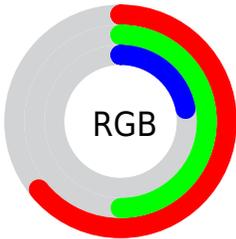
Format	Color
R_{YB}	112, 163, 57
Decimal	10714937
CIE Lab	55.34, 6.02, 42.40
CIE LCh	55, 42.828, 81.923
Yxy	23.2607, 0.4354, 0.4322
Android (android.graphics.Color)	4288905017 (0xFFA37F39)
YUV	129.7840, -35.8825, 29.1304
Hunter-Lab	48.2293, 2.3224, 25.0008

Details

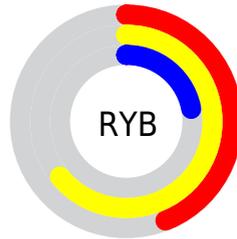
The XYZ color **23.4321, 23.2607, 7.1256** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2122, 11.3423, 36.1956**, and the grayscale version is **21.2542, 22.3610, 24.3512**.

A 20% lighter version of the original color is **48.7939, 49.0762, 20.8109**, and **8.9361, 8.6479, 1.3418** is the 20% darker color. If you saturate the color by 10%, you get **22.3937, 21.7336, 5.0854**, and if you desaturate by 10%, it is **24.6414, 24.9208, 9.8673**.

Distribution



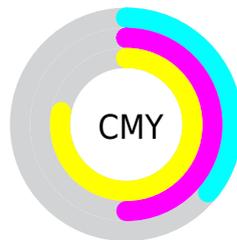
- Red (64%)
- Green (50%)
- Blue (22%)



- Red (44%)
- Yellow (64%)
- Blue (22%)



- Cyan (0%)
- Magenta (22%)
- Yellow (65%)
- Black (36%)



- Cyan (36%)
- Magenta (50%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4321, 23.2607, 7.1256 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 23.4321, 23.2607, 7.1256 by changing the saturation by 10% instead.

 23.4321, 23.2607,
7.1256

 23.4321, 23.2607,
7.1256

262.4307,
269.0612, 178.3736

 15.0353, 14.7861,
3.4611

 48.5633, 48.8210,
20.7426

 8.9307, 8.6694,
1.3346

 66.0285, 66.6756,
31.5322

 4.7527, 4.5262,
0.0899

 87.2472, 88.4256,
45.5340

 2.1362, 1.9720,
0.0000

 112.5847,
114.4555, 63.1664

 0.7088, 0.5912,
0.0000

 142.4065,
145.1495, 84.8480

 0.0000, 0.0000,
0.0000

 177.0779,

180.8923, 110.9974

216.9642,
222.0680, 142.0331

■ 23.4321, 23.2607,
7.1256

■ 23.4321, 23.2607,
7.1256

■ 22.3937, 21.7336,
5.0854

■ 24.6414, 24.9208,
9.8673

■ 21.5110, 20.3298,
3.6765

■ 26.0319, 26.7163,
13.3689

■ 20.7676, 19.0424,
2.8136

■ 27.6148, 28.6536,
17.6840

■ 20.4296, 18.4375,
2.4820

■ 29.3999, 30.7374,
22.8612

■ 31.3961, 32.9724,
28.9450

■ 33.6120, 35.3627,
35.9770

■ 36.0553, 37.9124,
43.9961

■ 38.7337, 40.6253,
53.0391

■ 41.6541, 43.5052,
63.1408

Harmonies

Analogous

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



28.3091, 23.2607, 9.6878



23.4321, 23.2607, 7.1256



18.8358, 23.2607, 7.8581

Triad

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



23.4321, 23.2607, 7.1256



14.5985, 23.2607, 36.5444



30.2068, 23.2607, 45.3975

Complementary

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



23.4321, 23.2607, 7.1256



12.2122, 11.3423, 36.1956

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.



25.7401, 23.2607, 58.6514



23.4321, 23.2607, 7.1256



16.8868, 23.2607, 52.3825

Square

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



23.4321, 23.2607, 7.1256



14.1657, 23.2607, 21.7886



20.8359, 23.2607, 61.5884



32.5739, 23.2607, 29.2290

Rectangle

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



23.4321, 23.2607, 7.1256



16.4931, 23.2607, 10.3017



20.8359, 23.2607, 61.5884



28.8728, 23.2607, 50.5516

Sweetspot

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



23.4326, 23.2618, 7.1261



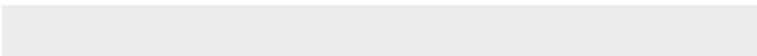
54.2710, 56.8795, 45.8123



18.5922, 11.5228, 11.8576



11.9781, 12.5371, 9.6513



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



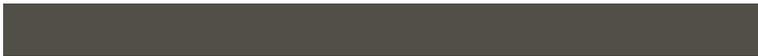
23.4326, 23.2618, 7.1261



39.3747, 37.7864, 7.8616



25.8861, 32.7018, 8.8188



7.4459, 7.8302, 7.4990



15.9210, 14.4159, 1.9434



0.3756, 0.3850, 0.0545

Inverse Universe

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



12.2122, 11.3423, 36.1956



17.8046, 14.9555, 64.0044



10.8142, 6.9833, 35.4279



6.8879, 7.2348, 8.9365



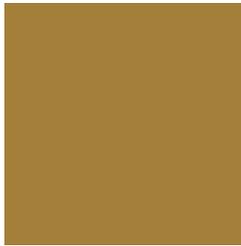
6.2512, 4.2818, 27.4268



0.1738, 0.1748, 0.5904

Previews

White Background



This preview shows how the XYZ color 23.4321, 23.2607, 7.1256 looks on a white background.

Color Contrast Check

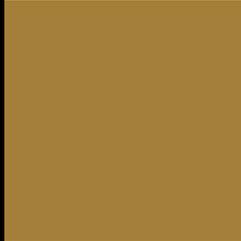
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4321, 23.2607, 7.1256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

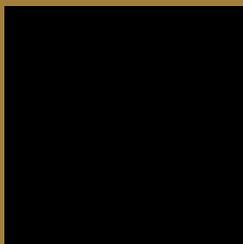
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

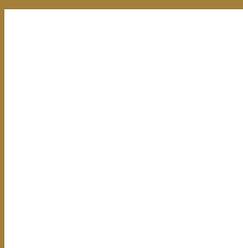
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4321, 23.2607, 7.1256

Background



This preview shows how black text looks on a background with the XYZ color 23.4321, 23.2607, 7.1256.



This preview shows how white text looks on a background with the XYZ color 23.4321, 23.2607,

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

23.4321, 23.2607, 7.1256

Protanopia

21.2096, 23.2939, 7.5160

Deuteranopia

23.7164, 23.2164, 7.1021



Tritanopia

26.7077, 23.1035, 23.8206

Trichromacy



Original Color

23.4321, 23.2607, 7.1256

Protanomaly

22.0169, 23.3104, 7.3419

Deuteranomaly

23.5092, 23.1096, 7.0924

Tritanomaly

25.1336, 23.0053, 15.9478

Monochromacy



Original Color

23.4321, 23.2607, 7.1256

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.4538, 22.4306, 16.0308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4321, 23.2607, 7.1256 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(163, 127, 57)` looks like.

```
.text, #text, p{  
    color:rgb(163, 127, 57)  
}
```

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(163, 127, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 127, 57) }
```

Border

The CSS property to change the border of an element to XYZ 23.4321, 23.2607, 7.1256 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(163, 127, 57) }
```

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

```
.border{ border-color:rgb(163, 127, 57) }
```

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

Here you see how a box with a 4 pixel rgb(163, 127, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 127, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 127, 57);  
box-shadow:4px 4px 4px 4px rgb(163, 127,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4321, 23.2607, 7.1256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 127, 57) }
```

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

```
.background{ background-color: rgb(163,  
127, 57) }
```

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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