

Converting Colors

XYZ(23.8144, 23.2635, 7.2561)

Have a look what the booklet for
XYZ(23.8144, 23.2635, 7.2561)
contains.

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Color

**XYZ(23.7416, 23.2265,
7.2348)**

Conversions

Conversions Part 1

Format	Color
Hex	A57E3A
RGB	165, 126, 58
RGB Percent	65%, 49%, 23%
CMY	0.3529, 0.5059, 0.7725
CMYK	0.00, 0.24, 0.65, 0.35
HSL	38°, 48%, 44%
HSV	38°, 65%, 65%
XYZ	23.7416, 23.2265, 7.2348
YIQ	129.9090, 45.0720, -12.8800

Conversions

Conversions Part 2

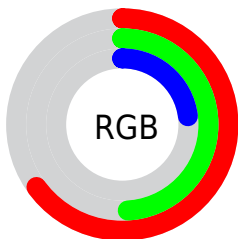
Format	Color
R_{YB}	119, 165, 58
Decimal	10845754
CIE _{Lab}	55.30, 7.54, 41.93
CIE _{LCh}	55, 42.606, 79.803
Yxy	23.2265, 0.4380, 0.4285
Android (android.graphics.Color)	4289035834 (0xFFA57E3A)
YUV	129.9090, -35.4511, 30.7748
Hunter-Lab	48.1939, 3.5946, 24.8352

Details

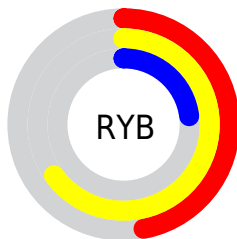
The XYZ color **23.7416, 23.2265, 7.2348** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.8109, 12.1650, 37.2700**, and the grayscale version is **21.2966, 22.4057, 24.3998**.

A 20% lighter version of the original color is **49.2583, 49.0109, 21.0512**, and **9.1172, 8.6359, 1.3587** is the 20% darker color. If you saturate the color by 10%, you get **22.6414, 21.5937, 5.1187**, and if you desaturate by 10%, it is **25.0236, 25.0078, 10.0756**.

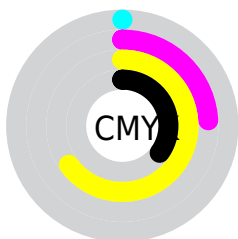
Distribution



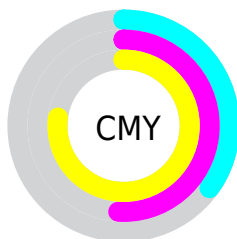
- Red (65%)
- Green (49%)
- Blue (23%)



- Red (47%)
- Yellow (65%)
- Blue (23%)



- Cyan (0%)
- Magenta (24%)
- Yellow (65%)
- Black (35%)





- Cyan (35%)
- Magenta (51%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7416, 23.2265, 7.2348 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 23.7416, 23.2265, 7.2348 by changing the saturation by 10% instead.


 23.7416, 23.2265,
7.2348


 23.7416, 23.2265,
7.2348


263.9763,
268.8862, 179.3050


 15.2657, 14.7608,
3.5287


 49.0660, 48.7650,
20.9649


 9.0936, 8.6517,
1.3705


 66.6452, 66.6066,
31.8260

 4.8599, 4.5147,
0.1186

 87.9895, 88.3423,
45.9091

 2.1992, 1.9655,
0.0000

 113.4644,
114.3565, 63.6329

 0.7423, 0.5873,
0.0000

 143.4352,
145.0336, 85.4158

 0.0000, 0.0000,
0.0000

 178.2672,

180.7580, 111.6765

218.3257,
221.9141, 142.8333

■ 23.7416, 23.2265,
7.2348

■ 23.7416, 23.2265,
7.2348

■ 22.6414, 21.5937,
5.1187

■ 25.0236, 25.0078,
10.0756

■ 21.7072, 20.0991,
3.6552

■ 26.4983, 26.9406,
13.7013

■ 20.9223, 18.7355,
2.7577

■ 28.1773, 29.0314,
18.1672

■ 20.5549, 18.0751,
2.4055

■ 30.0707, 31.2857,
23.5231

■ 32.1881, 33.7084,
29.8151

■ 34.5381, 36.3042,
37.0860

■ 37.1291, 39.0773,
45.3758

■ 39.9690, 42.0322,
54.7224

■ 43.0650, 45.1728,
65.1618

Harmonies

Analogous

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



28.5475, 23.2265, 10.0534



23.7416, 23.2265, 7.2348



19.1095, 23.2265, 7.7410

Triad

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



23.7416, 23.2265, 7.2348



14.5158, 23.2265, 35.2844



29.8575, 23.2265, 46.3387

Complementary

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



23.7416, 23.2265, 7.2348



12.8109, 12.1650, 37.2700

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.



25.3348, 23.2265, 58.9712



23.7416, 23.2265, 7.2348



16.6650, 23.2265, 51.1589

Square

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



23.7416, 23.2265, 7.2348



14.2170, 23.2265, 20.9147



20.4904, 23.2265, 60.9980



32.4008, 23.2265, 30.2359

Rectangle

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



23.7416, 23.2265, 7.2348



16.7051, 23.2265, 9.9907



20.4904, 23.2265, 60.9980



28.4902, 23.2265, 51.3449

Sweetspot

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



23.7421, 23.2276, 7.2353



55.8896, 58.3791, 48.1129



19.1987, 11.8930, 12.6503



11.9954, 12.5067, 9.8579



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.



23.7421, 23.2276, 7.2353



39.7475, 37.4164, 7.8296



26.9318, 33.7694, 9.1019



7.4313, 7.8010, 7.4942



15.5988, 13.7715, 1.8360



0.3703, 0.3745, 0.0528

Inverse Universe

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



12.8109, 12.1650, 37.2700



18.7053, 16.2007, 65.8935



10.9972, 7.1309, 36.3939



6.9020, 7.2629, 8.9412



6.4097, 4.5988, 27.4796



0.1786, 0.1844, 0.5920

Previews

White Background



This preview shows how the XYZ color 23.7416, 23.2265, 7.2348 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 23.7416, 23.2265, 7.2348 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 23.7416, 23.2265, 7.2348

Background



This preview shows how black text looks on a background with the XYZ color 23.7416, 23.2265, 7.2348.



This preview shows how white text looks on a background with the XYZ color 23.7416, 23.2265,

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

23.7416, 23.2265, 7.2348

Protanopia

21.2358, 23.3043, 7.6539

Deuteranopia

23.5344, 23.1197, 7.2251



Tritanopia

27.0707, 23.2982, 23.4923

Trichromacy



Original Color

23.7416, 23.2265, 7.2348

Protanomaly

22.0985, 23.1511, 7.4416

Deuteranomaly

23.5344, 23.1197, 7.2251

Tritanomaly

25.5562, 23.2232, 15.9675

Monochromacy



Original Color

23.7416, 23.2265, 7.2348

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.6766, 22.5396, 16.3048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7416, 23.2265, 7.2348 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(165, 126, 58)` looks like.

```
.text, #text, p{  
    color:rgb(165, 126, 58)  
}
```

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(165, 126, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 126, 58) }
```

Border

The CSS property to change the border of an element to XYZ 23.7416, 23.2265, 7.2348 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(165, 126, 58) }
```


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

```
.border{ border-color:rgb(165, 126, 58) }
```

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

Here you see how a box with a 4 pixel rgb(165, 126, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 126, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 126, 58);  
box-shadow:4px 4px 4px 4px rgb(165, 126,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7416, 23.2265, 7.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 126, 58) }
```

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

```
.background{ background-color: rgb(165,  
126, 58) }
```

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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