

Converting Colors

XYZ(36.6690, 37.8288, 23.1086)

Have a look what the booklet for
XYZ(36.6690, 37.8288, 23.1086)
contains.

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Color

**XYZ(36.7371, 37.9896,
23.1658)**

Conversions

Conversions Part 1

Format	Color
Hex	BAA378
RGB	186, 163, 120
RGB Percent	73%, 64%, 47%
CMY	0.2706, 0.3608, 0.5294
CMYK	0.00, 0.12, 0.35, 0.27
HSL	39°, 32%, 60%
HSV	39°, 35%, 73%
XYZ	36.7371, 37.9896, 23.1658
YIQ	164.9750, 27.5110, -8.4970

Conversions

Conversions Part 2

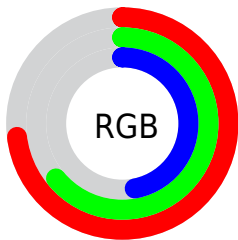
Format	Color
RYB	155, 186, 120
Decimal	12231544
CIELab	68.01, 2.09, 25.45
CIElCh	68, 25.539, 85.304
Yxy	37.9896, 0.3753, 0.3881
Android (android.graphics.Color)	4290421624 (0xFFBAA378)
YUV	164.9750, -22.1727, 18.4389
Hunter-Lab	61.6357, -1.4701, 20.8608

Details

The XYZ color **36.7371, 37.9896, 23.1658** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.4309, 27.1823, 50.3081**, and the grayscale version is **35.8468, 37.7136, 41.0701**.

A 20% lighter version of the original color is **69.5764, 72.2146, 49.8069**, and **16.3375, 16.7293, 8.3292** is the 20% darker color. If you saturate the color by 10%, you get **34.5951, 35.3399, 17.4133**, and if you desaturate by 10%, it is **39.1593, 40.8485, 30.0944**.

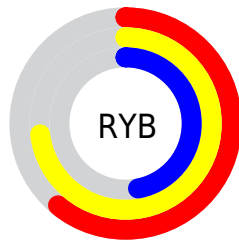
Distribution



Red (73%)

Green (64%)

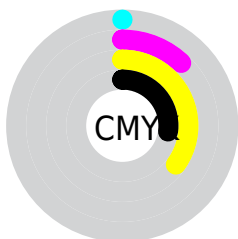
Blue (47%)



Red (61%)

Yellow (73%)

Blue (47%)

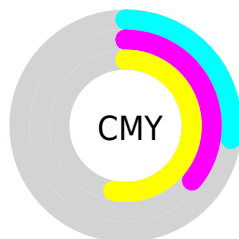


Cyan (0%)

Magenta (12%)

Yellow (35%)

Black (27%)



Cyan (27%)


Magenta (36%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7371, 37.9896, 23.1658 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 36.7371, 37.9896, 23.1658 by changing the saturation by 10% instead.


 36.7371, 37.9896,
23.1658


 36.7371, 37.9896,
23.1658


323.5462,
337.5754, 281.7249


 25.1767, 25.9746,
14.5095


 69.4847, 72.0922,
49.5921

 16.3382, 16.8047,
8.3331

 91.4027, 94.9486,
68.1991

 9.8562, 10.0953,
4.2180


 117.5039,
122.1876, 90.9602

 5.3652, 5.4622,
1.7457

148.1537,
154.1936, 118.2939

 2.5001, 2.5209,
0.3918

183.7175,
191.3510, 150.6187

 0.8953, 0.8871,
0.0000

224.5606,

 0.0000, 0.0000,

234.0441, 188.3530

0.0000

271.0484,
282.6575, 231.9156

■ 36.7371, 37.9896,
23.1658

■ 36.7371, 37.9896,
23.1658

■ 34.5951, 35.3399,
17.4133

■ 39.1593, 40.8485,
30.0944

■ 32.7167, 32.8872,
12.7670

■ 41.8715, 43.9177,
38.2587

■ 31.0881, 30.6260,
9.1535

■ 44.8862, 47.2051,
47.7172

■ 29.6924, 28.5480,
6.4891

■ 48.2145, 50.7162,
58.5238

■ 28.5105, 26.6441,
4.6772

■ 51.8669, 54.4566,
70.7294

■ 27.5186, 24.9032,
3.5977

■ 55.8531, 58.4315,
84.3823

■ 27.1107, 24.1610,
3.2347

■ 60.1827, 62.6460,
99.5283

■ 62.5620, 66.1836,
104.0851

■ 64.2435, 69.5467,
104.6456

Harmonies

Analogous

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



40.6336, 37.9896, 25.8573



36.7371, 37.9896, 23.1658



32.9402, 37.9896, 24.5696

Triad

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



36.7371, 37.9896, 23.1658



29.6324, 37.9896, 51.4381



42.7603, 37.9896, 55.1102

Complementary

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



36.7371, 37.9896, 23.1658



26.4309, 27.1823, 50.3081

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.



39.4726, 37.9896, 64.4646



36.7371, 37.9896, 23.1658



31.9316, 37.9896, 62.0865

Square

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



36.7371, 37.9896, 23.1658



29.0167, 37.9896, 39.5985



35.4861, 37.9896, 67.2261



44.2696, 37.9896, 43.1816

Rectangle

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



36.7371, 37.9896, 23.1658



30.9451, 37.9896, 27.8050



35.4861, 37.9896, 67.2261



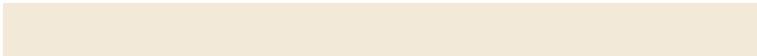
41.8153, 37.9896, 58.7402

Sweetspot

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



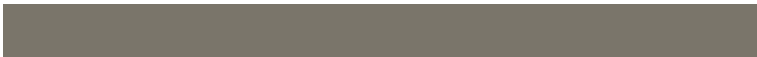
36.7381, 37.9914, 23.1666



78.1763, 82.1171, 76.4265



31.9320, 25.8587, 29.3350



17.0543, 17.9067, 16.3266



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.7381, 37.9914, 23.1666



63.3579, 64.8803, 33.2599



38.8764, 45.7158, 24.5448



9.4797, 9.9623, 9.5302



18.3114, 16.3992, 2.2002



0.7011, 0.6892, 0.0961

Inverse Universe

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



26.4309, 27.1823, 50.3081



41.7684, 42.2540, 90.1558



24.7704, 21.7165, 49.3406



8.7702, 9.2176, 11.3964



7.2910, 5.0418, 31.8420



0.3163, 0.2962, 1.1423

Previews

White Background



This preview shows how the XYZ color 36.7371, 37.9896, 23.1658 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 36.7371, 37.9896, 23.1658 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 ✓ Pass

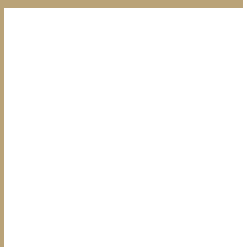
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7371, 37.9896, 23.1658

Background



This preview shows how black text looks on a background with the XYZ color 36.7371, 37.9896, 23.1658.



This preview shows how white text looks on a background with the XYZ color 36.7371, 37.9896,

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

36.7371, 37.9896, 23.1658

Protanopia

35.4475, 38.1179, 23.5784

Deuteranopia

38.6143, 37.9125, 23.3718



Tritanopia

40.7043, 38.0549, 42.7361

Trichromacy



Original Color

36.7371, 37.9896, 23.1658

Protanomaly

35.9624, 38.1145, 23.5506

Deuteranomaly

37.7602, 37.7286, 23.3813

Tritanomaly

38.9703, 37.8495, 34.5299

Monochromacy



Original Color

36.7371, 37.9896, 23.1658

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.9339, 37.6051, 33.7984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7371, 37.9896, 23.1658 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(186, 163, 120)` looks like.

```
.text, #text, p{  
    color:rgb(186, 163, 120)  
}
```

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(186, 163, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 163, 120) }
```

Border

The CSS property to change the border of an element to XYZ 36.7371, 37.9896, 23.1658 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(186, 163, 120) }
```


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

```
.border{ border-color:rgb(186, 163, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 163, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 163, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 163, 120);  
box-shadow:4px 4px 4px 4px rgb(186, 163,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7371, 37.9896, 23.1658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 163, 120) }
```

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

```
.background{ background-color: rgb(186,  
163, 120) }
```

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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