

Converting Colors

XYZ(37.5912, 41.9130, 23.5636)

Have a look what the booklet for
XYZ(37.5912, 41.9130, 23.5636)
contains.

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Color

**XYZ(37.6775, 42.0859,
23.5903)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B077
RGB	180, 176, 119
RGB Percent	71%, 69%, 47%
CMY	0.2941, 0.3098, 0.5333
CMYK	0.00, 0.02, 0.34, 0.29
HSL	56°, 29%, 59%
HSV	56°, 34%, 71%
XYZ	37.6775, 42.0859, 23.5903
YIQ	170.6980, 20.6810, -16.8790

Conversions

Conversions Part 2

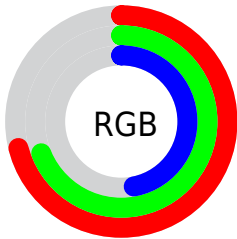
Format	Color
RYB	123, 180, 119
Decimal	11841655
CIELab	70.93, -7.40, 29.76
CIELCh	71, 30.664, 103.967
Yxy	42.0859, 0.3645, 0.4072
Android (android.graphics.Color)	4290031735 (0xFFB4B077)
YUV	170.6980, -25.4871, 8.1579
Hunter-Lab	64.8736, -9.8591, 23.8517

Details

The XYZ color **37.6775, 42.0859, 23.5903** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.9288, 21.3825, 46.0988**, and the grayscale version is **38.6746, 40.6887, 44.3099**.

A 20% lighter version of the original color is **71.2281, 78.6963, 50.4655**, and **16.9173, 19.2931, 8.6267** is the 20% darker color. If you saturate the color by 10%, you get **36.4675, 41.2351, 18.3495**, and if you desaturate by 10%, it is **39.0963, 43.0264, 29.9119**.

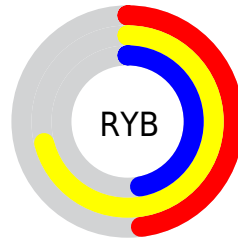
Distribution



Red (71%)

Green (69%)

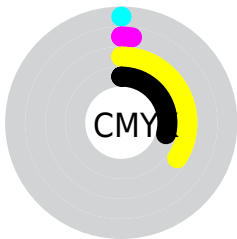
Blue (47%)



Red (48%)

Yellow (71%)

Blue (47%)

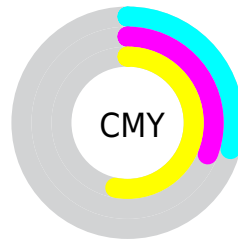


Cyan (0%)

Magenta (2%)

Yellow (34%)

Black (29%)



Cyan (29%)

Magenta (31%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6775, 42.0859, 23.5903 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 37.6775, 42.0859, 23.5903 by changing the saturation by 10% instead.

■ 37.6775, 42.0859,
23.5903

■ 37.6775, 42.0859,
23.5903

327.5393,
354.8389, 283.9621

■ 25.9086, 29.1686,
14.8206

■ 70.9207, 78.3296,
50.2962

■ 16.8876, 19.2084,
8.5484

■ 93.1256, 102.4248,
69.0695

■ 10.2492, 11.8209,
4.3550

■ 119.5399,
131.0147, 92.0144

■ 5.6280, 6.6219,
1.8221

150.5289,
164.4837, 119.5495

■ 2.6587, 3.2268,
0.4424

186.4580,
203.2162, 152.0933

■ 0.9760, 1.2512,
0.0000

227.6925,

■ 0.0000, 0.1030,

247.5967, 190.0643

0.0000

274.5978,
298.0094, 233.8810

■ 0.0000, 0.0000,
0.0000

■ 37.6775, 42.0859,
23.5903

■ 37.6775, 42.0859,
23.5903

■ 36.4675, 41.2351,
18.3495

■ 39.0963, 43.0264,
29.9119

■ 35.4517, 40.4637,
14.1257

■ 40.7316, 44.0553,
37.3678

■ 34.6183, 39.7685,
10.8528

■ 42.5943, 45.1783,
46.0113

■ 33.9531, 39.1437,
8.4555

■ 44.6937, 46.3992,
55.8915

■ 33.4396, 38.5827,
6.8473

■ 47.0386, 47.7216,
67.0547

■ 33.0580, 38.0778,
5.9241

■ 49.6375, 49.1488,
79.5448

■ 32.8639, 37.7863,
5.5614

■ 52.4981, 50.6841,
93.4036

■ 54.3128, 51.8041,
101.7443

■ 54.5613, 52.3010,
101.8272

Harmonies

Analogous

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



42.7756, 42.0859, 23.7593



37.6775, 42.0859, 23.5903



33.5633, 42.0859, 28.4155

Triad

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



37.6775, 42.0859, 23.5903



33.3411, 42.0859, 68.2557



50.2021, 42.0859, 54.0398

Complementary

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



37.6775, 42.0859, 23.5903



22.9288, 21.3825, 46.0988

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.



47.2142, 42.0859, 69.1952



37.6775, 42.0859, 23.5903



37.3498, 42.0859, 78.5205

Square

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



37.6775, 42.0859, 23.5903



31.2077, 42.0859, 52.9538



42.4189, 42.0859, 78.8969



50.3088, 42.0859, 39.3655

Rectangle

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



37.6775, 42.0859, 23.5903



31.8099, 42.0859, 34.5554



42.4189, 42.0859, 78.8969



49.4907, 42.0859, 59.3103

Sweetspot

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



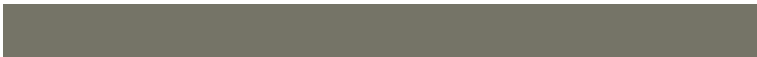
37.6786, 42.0878, 23.5912



75.0613, 80.6181, 73.3248



28.9989, 24.3291, 21.9289



16.1250, 17.3646, 15.3928



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.6786, 42.0878, 23.5912



66.5725, 75.0932, 35.1879



32.8954, 40.8021, 23.5951



9.1485, 9.8094, 9.0638



22.9562, 26.4109, 3.8879



0.7365, 0.8594, 0.1271

Inverse Universe

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



22.9288, 21.3825, 46.0988



35.5693, 31.5772, 82.5149



26.5890, 22.5486, 46.1310



8.0852, 8.3166, 10.6855



5.8585, 2.5174, 30.3141



0.1990, 0.1086, 0.9587

Previews

White Background



This preview shows how the XYZ color 37.6775, 42.0859, 23.5903 looks on a white background.

Color Contrast Check

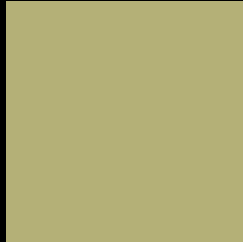
Large Text (above 18pt) WCAG AA × Fail

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 37.6775, 42.0859, 23.5903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

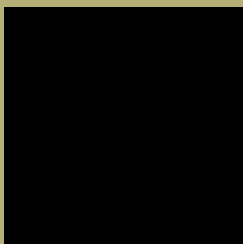
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

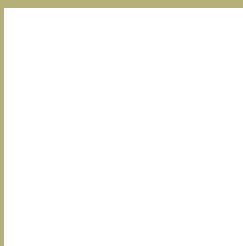
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6775, 42.0859, 23.5903

Background



This preview shows how black text looks on a background with the XYZ color 37.6775, 42.0859, 23.5903.



This preview shows how white text looks on a background with the XYZ color 37.6775, 42.0859,

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

37.6775, 42.0859, 23.5903

Protanopia

38.9526, 41.8865, 23.1714

Deuteranopia

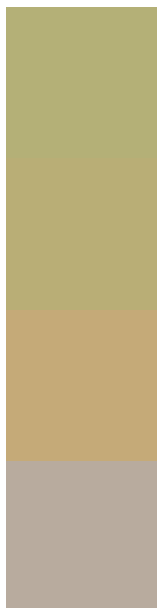
42.8195, 41.9183, 23.9234



Tritanopia

42.8366, 41.9063, 49.5470

Trichromacy



Original Color

37.6775, 42.0859, 23.5903

Protanomaly

38.4137, 41.8944, 23.2014

Deuteranomaly

40.7908, 41.9758, 23.7215

Tritanomaly

40.5016, 41.7848, 38.2784

Monochromacy



Original Color

37.6775, 42.0859, 23.5903

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0666, 41.1528, 35.6427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6775, 42.0859, 23.5903 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(180, 176, 119)` looks like.

```
.text, #text, p{  
    color:rgb(180, 176, 119)  
}
```

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(180, 176, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 176, 119) }
```

Border

The CSS property to change the border of an element to XYZ 37.6775, 42.0859, 23.5903 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(180, 176, 119) }
```


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

```
.border{ border-color:rgb(180, 176, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 176, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 176, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 176, 119);  
box-shadow:4px 4px 4px 4px rgb(180, 176,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6775, 42.0859, 23.5903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 176, 119) }
```

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

```
.background{ background-color: rgb(180,  
176, 119) }
```

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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