

Converting Colors

XYZ(37.3574, 43.8873, 7.3032)

Have a look what the booklet for
XYZ(37.3574, 43.8873, 7.3032)
contains.

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Color

**XYZ(37.1720, 43.6744,
7.2814)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB517
RGB	187, 181, 23
RGB Percent	73%, 71%, 9%
CMY	0.2667, 0.2902, 0.9098
CMYK	0.00, 0.03, 0.88, 0.27
HSL	58°, 78%, 41%
HSV	58°, 88%, 73%
XYZ	37.1720, 43.6744, 7.2814
YIQ	164.7820, 54.2940, -47.8660

Conversions

Conversions Part 2

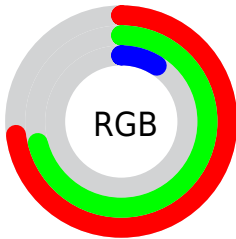
Format	Color
R _Y B	29, 187, 23
Decimal	12301591
CIE Lab	72.01, -13.71, 70.56
CIE LCh	72, 71.881, 100.993
Yxy	43.6744, 0.4218, 0.4956
Android (android.graphics.Color)	4290491671 (0xFFBBB517)
YUV	164.7820, -69.8985, 19.4852
Hunter-Lab	66.0866, -15.2500, 39.7281

Details

The XYZ color **37.1720, 43.6744, 7.2814** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.7626, 4.6490, 47.3960**, and the grayscale version is **35.9673, 37.8404, 41.2082**.

A 20% lighter version of the original color is **70.4034, 81.0471, 21.1655**, and **16.9035, 20.3676, 3.0404** is the 20% darker color. If you saturate the color by 10%, you get **36.9032, 43.3467, 6.5455**, and if you desaturate by 10%, it is **37.5703, 44.0583, 8.6873**.

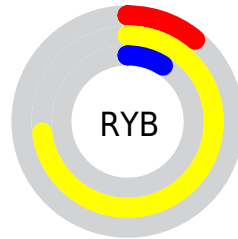
Distribution



Red (73%)

Green (71%)

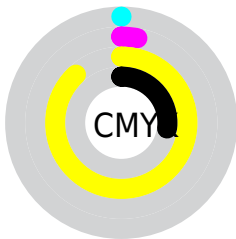
Blue (9%)



Red (11%)

Yellow (73%)

Blue (9%)

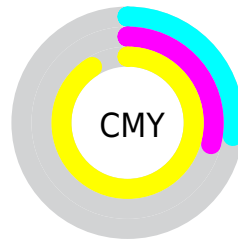


Cyan (0%)

Magenta (3%)

Yellow (88%)

Black (27%)



Cyan (27%)

Magenta (29%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1720, 43.6744, 7.2814 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 37.1720, 43.6744, 7.2814 by changing the saturation by 10% instead.

■ 37.1720, 43.6744,
7.2814

■ 37.1720, 43.6744,
7.2814

325.3972,
361.3779, 179.7006

■ 25.5150, 30.4146,
3.5576

■ 70.1494, 80.7276,
21.0595

■ 16.5919, 20.1535,
1.3859

■ 92.2004, 105.2897,
31.9510

■ 10.0375, 12.5067,
0.1307

■ 118.4468,
134.3882, 46.0687

■ 5.4863, 7.0897,
0.0000

■ 149.2540,
168.4073, 63.8312

■ 2.5730, 3.5183,
0.0000

■ 184.9873,
207.7314, 85.6572

■ 0.9322, 1.4079,
0.0000

■ 226.0120,

■ 0.0000, 0.2226,

252.7449, 111.9650

0.0000

272.6935,
303.8323, 143.1733

■ 0.0000, 0.0000,
0.0000

■ 37.1720, 43.6744,
7.2814

■ 37.1720, 43.6744,
7.2814

■ 36.9032, 43.3467,
6.5455

■ 37.5703, 44.0583,
8.6873

■ 36.8477, 43.2735,
6.4105

■ 38.1241, 44.5038,
10.9127

■ 38.8535, 45.0207,
14.0601

■ 39.7753, 45.6156,
18.2164

■ 40.9038, 46.2944,
23.4585

■ 42.2524, 47.0622,
29.8559

■ 43.8331, 47.9240,
37.4721

■ 45.6571, 48.8842,
46.3662

■ 47.7349, 49.9470,
56.5934

Harmonies

Analogous

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



49.6802, 43.6744, 8.0036



37.1720, 43.6744, 7.2814



27.8765, 43.6744, 12.6099

Triad

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



37.1720, 43.6744, 7.2814



26.1264, 43.6744, 107.0866



68.0574, 43.6744, 73.1333

Complementary

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



37.1720, 43.6744, 7.2814



9.7626, 4.6490, 47.3960

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.



58.9938, 43.6744, 118.9738



37.1720, 43.6744, 7.2814



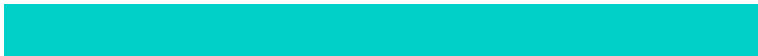
34.2907, 43.6744, 144.3395

Square

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



37.1720, 43.6744, 7.2814



22.3887, 43.6744, 61.6404



46.1756, 43.6744, 149.5244



69.2509, 43.6744, 35.7959

Rectangle

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



37.1720, 43.6744, 7.2814



24.1051, 43.6744, 21.7349



46.1756, 43.6744, 149.5244



65.7570, 43.6744, 88.4281

Sweetspot

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



37.1730, 43.6765, 7.2823



76.0121, 84.4764, 55.0878



21.0500, 11.2779, 2.3782



16.5399, 18.4920, 11.1790



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.



37.1730, 43.6765, 7.2823



65.9549, 77.4236, 11.4681



24.7612, 39.1264, 7.0582



10.2915, 11.0591, 10.1688



25.4007, 29.8402, 4.4210



1.0044, 1.1877, 0.1763

Inverse Universe

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



9.7626, 4.6490, 47.3960



16.1607, 6.6181, 84.6270



14.1851, 6.7317, 47.5649



9.0437, 9.2798, 11.9867



6.2429, 2.5975, 32.5652



0.2542, 0.1211, 1.2788

Previews

White Background



This preview shows how the XYZ color 37.1720, 43.6744, 7.2814 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 37.1720, 43.6744, 7.2814 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 37.1720, 43.6744, 7.2814

Background



This preview shows how black text looks on a background with the XYZ color 37.1720, 43.6744, 7.2814.

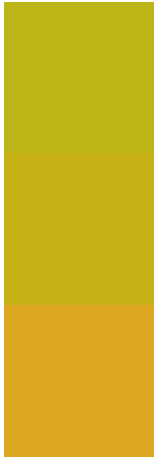


This preview shows how white text looks on a background with the XYZ color 37.1720, 43.6744,

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

37.1720, 43.6744, 7.2814

Protanopia

39.4201, 43.6443, 7.1056

Deuteranopia

44.2317, 43.2825, 7.5365



Tritanopia

45.6318, 43.3472, 49.6779

Trichromacy



Original Color

37.1720, 43.6744, 7.2814

Protanomaly

38.5709, 43.5008, 7.1227

Deuteranomaly

41.2814, 43.1541, 7.3821

Tritanomaly

40.8298, 42.8117, 25.1803

Monochromacy



Original Color

37.1720, 43.6744, 7.2814

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.7771, 39.2023, 21.3566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1720, 43.6744, 7.2814 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(187, 181, 23)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 23)  
}
```

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(187, 181, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 23) }
```

Border

The CSS property to change the border of an element to XYZ 37.1720, 43.6744, 7.2814 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(187, 181, 23) }
```


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

```
.border{ border-color:rgb(187, 181, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 181, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 181, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 181, 23);  
box-shadow:4px 4px 4px 4px rgb(187, 181,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1720, 43.6744, 7.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 181, 23) }
```

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

```
.background{ background-color: rgb(187,  
181, 23) }
```

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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