

Converting Colors

XYZ(32.5616, 37.8856, 7.8085)

Have a look what the booklet for
XYZ(32.5616, 37.8856, 7.8085)
contains.

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Color

**XYZ(32.5104, 37.7732,
7.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A92A
RGB	176, 169, 42
RGB Percent	69%, 66%, 16%
CMY	0.3098, 0.3372, 0.8353
CMYK	0.00, 0.04, 0.76, 0.31
HSL	57°, 61%, 43%
HSV	57°, 76%, 69%
XYZ	32.5104, 37.7732, 7.7680
YIQ	156.6150, 44.9390, -38.0130

Conversions

Conversions Part 2

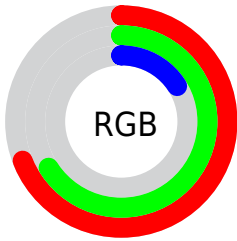
Format	Color
RYB	49, 176, 42
Decimal	11577642
CIELab	67.85, -11.76, 61.62
CIELCh	68, 62.737, 100.805
Yxy	37.7732, 0.4165, 0.4840
Android (android.graphics.Color)	4289767722 (0xFFB0A92A)
YUV	156.6150, -56.5052, 17.0006
Hunter-Lab	61.4599, -13.1338, 35.5282

Details

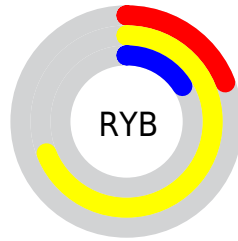
The XYZ color **32.5104, 37.7732, 7.7680** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.8898, 5.8236, 41.6769**, and the grayscale version is **32.1074, 33.7795, 36.7858**.

A 20% lighter version of the original color is **63.1212, 71.8553, 22.0979**, and **14.1070, 16.7156, 2.4829** is the 20% darker color. If you saturate the color by 10%, you get **32.0920, 37.3347, 6.4013**, and if you desaturate by 10%, it is **33.0700, 38.2729, 9.8649**.

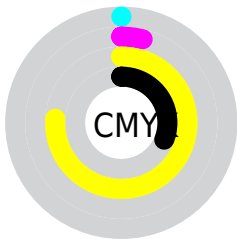
Distribution



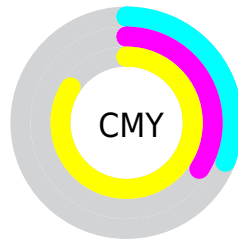
- Red (69%)
- Green (66%)
- Blue (16%)



- Red (19%)
- Yellow (69%)
- Blue (16%)



- Cyan (0%)
- Magenta (4%)
- Yellow (76%)
- Black (31%)



- Cyan (31%)
- Magenta (34%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5104, 37.7732, 7.7680 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 32.5104, 37.7732, 7.7680 by changing the saturation by 10% instead.

■ 32.5104, 37.7732,
7.7680

■ 32.5104, 37.7732,
7.7680

305.1419,
336.6461, 183.7670

■ 21.9091, 25.8067,
3.8612

■ 62.9702, 71.7604,
22.0410

■ 13.9063, 16.6791,
1.5495

■ 83.5594, 94.5499,
33.2442

■ 8.1368, 10.0060,
0.2544

■ 108.2086,
121.7158, 47.7168

■ 4.2352, 5.4029,
0.0000

■ 137.2831,
153.6426, 65.8771

■ 1.8360, 2.4855,
0.0000

■ 171.1483,
190.7146, 88.1437

■ 0.5392, 0.8694,
0.0000

■ 210.1697,

■ 0.0000, 0.0000,

233.3163, 114.9352

0.0000

254.7124,
281.8319, 146.6701

■ 32.5104, 37.7732,
7.7680

■ 32.5104, 37.7732,
7.7680

■ 32.0920, 37.3347,
6.4013

■ 33.0700, 38.2729,
9.8649

■ 31.7911, 36.9437,
5.6507

■ 33.7843, 38.8351,
12.7745

■ 31.6887, 36.7987,
5.4327

■ 34.6682, 39.4669,
16.5708

■ 35.7339, 40.1734,
21.3187

■ 36.9926, 40.9591,
27.0771

■ 38.4547, 41.8281,
33.9002

■ 40.1296, 42.7841,
41.8384

■ 42.0263, 43.8308,
50.9386

■ 44.1534, 44.9716,
61.2453

Harmonies

Analogous

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



42.4067, 37.7732, 8.4548



32.5104, 37.7732, 7.7680



25.0185, 37.7732, 12.4549

Triad

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



32.5104, 37.7732, 7.7680



23.5288, 37.7732, 86.9776



56.6109, 37.7732, 61.3640

Complementary

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



32.5104, 37.7732, 7.7680



9.8898, 5.8236, 41.6769

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.



49.5577, 37.7732, 96.4272



32.5104, 37.7732, 7.7680



30.0995, 37.7732, 115.2480

Square

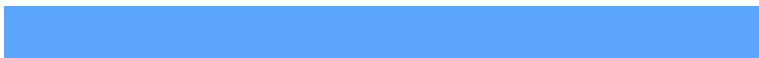
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.5104, 37.7732, 7.7680



20.4914, 37.7732, 52.0044



39.5223, 37.7732, 119.3251



57.5754, 37.7732, 31.8858

Rectangle

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



32.5104, 37.7732, 7.7680



21.9299, 37.7732, 20.1495



39.5223, 37.7732, 119.3251



54.8207, 37.7732, 73.1644

Sweetspot

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



32.5113, 37.7750, 7.7688



67.7796, 74.7019, 52.2927



19.3287, 11.1248, 4.2534



14.4973, 16.0731, 10.4452



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.5113, 37.7750, 7.7688



57.8318, 67.2467, 10.6247



23.4057, 35.0647, 7.7256



9.1583, 9.8291, 9.0670



23.2643, 27.0271, 3.9906



0.7435, 0.8733, 0.1294

Inverse Universe

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



9.8898, 5.8236, 41.6769



15.0195, 6.8501, 75.0259



13.9278, 7.5042, 41.7884



8.0764, 8.2990, 10.6825



5.8365, 2.4733, 30.3068



0.1954, 0.1013, 0.9575

Previews

White Background



This preview shows how the XYZ color 32.5104, 37.7732, 7.7680 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 32.5104, 37.7732, 7.7680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

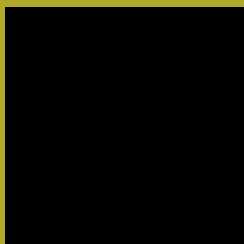
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.5104, 37.7732, 7.7680

Background



This preview shows how black text looks on a background with the XYZ color 32.5104, 37.7732, 7.7680.



This preview shows how white text looks on a background with the XYZ color 32.5104, 37.7732,

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

32.5104, 37.7732, 7.7680

Protanopia

34.2862, 37.8716, 7.6007

Deuteranopia

38.3022, 37.5846, 7.9251



Tritanopia

39.7323, 37.7951, 43.2313

Trichromacy



Original Color

32.5104, 37.7732, 7.7680

Protanomaly

33.5104, 37.7426, 7.6167

Deuteranomaly

35.9835, 37.4150, 7.8079

Tritanomaly

35.7869, 37.2158, 24.0361

Monochromacy



Original Color

32.5104, 37.7732, 7.7680

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.1492, 34.6201, 21.2603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5104, 37.7732, 7.7680 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(176, 169, 42)` looks like.

```
.text, #text, p{  
    color:rgb(176, 169, 42)  
}
```

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(176, 169, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 169, 42) }
```

Border

The CSS property to change the border of an element to XYZ 32.5104, 37.7732, 7.7680 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(176, 169, 42) }
```


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

```
.border{ border-color:rgb(176, 169, 42) }
```

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

Here you see how a box with a 4 pixel rgb(176, 169, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 169, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 169, 42);  
box-shadow:4px 4px 4px 4px rgb(176, 169,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5104, 37.7732, 7.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 169, 42) }
```

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

```
.background{ background-color: rgb(176,  
169, 42) }
```

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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