

Converting Colors

XYZ(33.4240, 37.7335, 20.2822)

Have a look what the booklet for
XYZ(33.4240, 37.7335, 20.2822)
contains.

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Color

**XYZ(33.3947, 37.6771,
20.2642)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA86E
RGB	170, 168, 110
RGB Percent	67%, 66%, 43%
CMY	0.3333, 0.3412, 0.5686
CMYK	0.00, 0.01, 0.35, 0.33
HSL	58°, 26%, 55%
HSV	58°, 35%, 67%
XYZ	33.3947, 37.6771, 20.2642
YIQ	161.9860, 19.8100, -17.6140

Conversions

Conversions Part 2

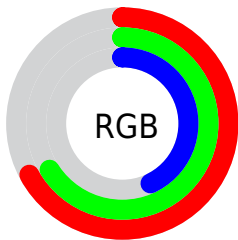
Format	Color
RYB	112, 170, 110
Decimal	11184238
CIELab	67.78, -8.31, 30.26
CIELCh	68, 31.385, 105.358
Yxy	37.6771, 0.3656, 0.4125
Android (android.graphics.Color)	4289374318 (0xFFAAA86E)
YUV	161.9860, -25.6291, 7.0283
Hunter-Lab	61.3817, -10.3050, 23.3935

Details

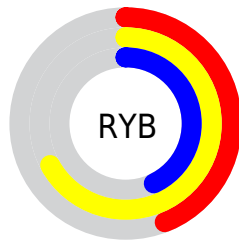
The XYZ color **33.3947, 37.6771, 20.2642** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.4803, 17.8052, 40.4404**, and the grayscale version is **34.4467, 36.2406, 39.4660**.

A 20% lighter version of the original color is **64.2733, 71.5527, 44.6059**, and **14.4238, 16.6096, 6.8606** is the 20% darker color. If you saturate the color by 10%, you get **32.4528, 37.1350, 15.8137**, and if you desaturate by 10%, it is **34.5166, 38.2946, 25.6517**.

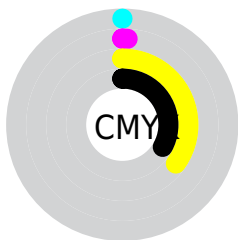
Distribution



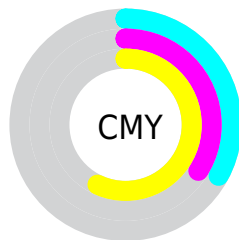
- Red (67%)
- Green (66%)
- Blue (43%)



- Red (44%)
- Yellow (67%)
- Blue (43%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (33%)



- Cyan (33%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3947, 37.6771, 20.2642 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 33.3947, 37.6771, 20.2642 by changing the saturation by 10% instead.

■ 33.3947, 37.6771,
20.2642

■ 33.3947, 37.6771,
20.2642

309.0582,
336.2328, 265.9932

■ 22.5897, 25.7322,
12.4013

■ 64.3418, 71.6129,
44.7245

■ 14.4098, 16.6234,
6.8917

■ 85.2146, 94.3727,
62.1589

■ 8.4899, 9.9663,
3.3171

■ 110.1741,
121.5061, 83.6209

■ 4.4644, 5.3766,
1.2587

■ 139.5855,
153.3976, 109.5289

■ 1.9681, 2.4699,
0.0276

173.8143,
190.4317, 140.3017

■ 0.6159, 0.8615,
0.0000

213.2257,

■ 0.0000, 0.0000,

232.9926, 176.3576

0.0000

258.1852,
281.4649, 218.1153

■ 33.3947, 37.6771,
20.2642

■ 33.3947, 37.6771,
20.2642

■ 32.4528, 37.1350,
15.8137

■ 34.5166, 38.2946,
25.6517

■ 31.6777, 36.6590,
12.2441

■ 35.8250, 38.9861,
32.0232

■ 31.0594, 36.2464,
9.4972

■ 37.3295, 39.7568,
39.4255

■ 30.5850, 35.8922,
7.5065

■ 39.0384, 40.6099,
47.9015

■ 30.2402, 35.5904,
6.1956

■ 40.9593, 41.5486,
57.4918

■ 30.0066, 35.3339,
5.4684

■ 43.0996, 42.5758,
68.2351

■ 29.9150, 35.2208,
5.2216

■ 45.4662, 43.6942,
80.1677

■ 48.0658, 44.9066,
93.3249

■ 49.5892, 45.6892,
100.8130

Harmonies

Analogous

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



38.2234, 37.6771, 20.2103



33.3947, 37.6771, 20.2642



29.5702, 37.6771, 24.9573

Triad

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



33.3947, 37.6771, 20.2642



29.6428, 37.6771, 63.1418



45.6252, 37.6771, 48.1613

Complementary

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



33.3947, 37.6771, 20.2642



19.4803, 17.8052, 40.4404

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.



42.8733, 37.6771, 62.8277



33.3947, 37.6771, 20.2642



33.5023, 37.6771, 72.7143

Square

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



33.3947, 37.6771, 20.2642



27.5411, 37.6771, 48.5210



38.3410, 37.6771, 72.5879



45.5898, 37.6771, 34.3419

Rectangle

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



33.3947, 37.6771, 20.2642



27.9773, 37.6771, 30.8544



38.3410, 37.6771, 72.5879



44.9853, 37.6771, 53.2136

Sweetspot

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



33.3956, 37.6788, 20.2650



66.0741, 71.2907, 63.3700



25.0785, 20.8682, 18.0360



14.6567, 15.8579, 13.7483



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.3956, 37.6788, 20.2650



59.2855, 67.6152, 30.5815



28.3448, 35.6262, 20.1350



8.1252, 8.7304, 8.0462



22.0142, 25.9256, 3.8439



0.5420, 0.6435, 0.0956

Inverse Universe

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



19.4803, 17.8052, 40.4404



30.3888, 26.3483, 72.4860



23.3133, 19.4579, 40.5573



7.1511, 7.3391, 9.4580



5.3908, 2.2418, 28.1241



0.1372, 0.0667, 0.6863

Previews

White Background



This preview shows how the XYZ color 33.3947, 37.6771, 20.2642 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 33.3947, 37.6771, 20.2642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

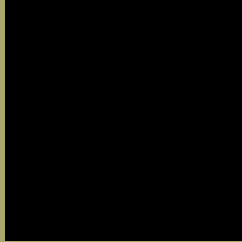
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3947, 37.6771, 20.2642

Background



This preview shows how black text looks on a background with the XYZ color 33.3947, 37.6771, 20.2642.



This preview shows how white text looks on a background with the XYZ color 33.3947, 37.6771,

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

33.3947, 37.6771, 20.2642

Protanopia

34.8059, 37.5981, 19.8907

Deuteranopia

38.1774, 37.4939, 20.5541



Tritanopia

38.2451, 37.5059, 44.7588

Trichromacy



Original Color

33.3947, 37.6771, 20.2642

Protanomaly

34.3010, 37.6067, 19.9190

Deuteranomaly

36.2831, 37.5532, 20.3751

Tritanomaly

36.0578, 37.3951, 34.1717

Monochromacy



Original Color

33.3947, 37.6771, 20.2642

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.7504, 36.5334, 31.2594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3947, 37.6771, 20.2642 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(170, 168, 110)` looks like.

```
.text, #text, p{  
    color:rgb(170, 168, 110)  
}
```

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(170, 168, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 168, 110) }
```

Border

The CSS property to change the border of an element to XYZ 33.3947, 37.6771, 20.2642 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(170, 168, 110) }
```


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

```
.border{ border-color:rgb(170, 168, 110) }
```

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

Here you see how a box with a 4 pixel rgb(170, 168, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 168, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 168, 110);  
box-shadow:4px 4px 4px 4px rgb(170, 168,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3947, 37.6771, 20.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 168, 110) }
```

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

```
.background{ background-color: rgb(170,  
168, 110) }
```

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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