

Converting Colors

XYZ(33.2243, 37.2978, 20.4038)

Have a look what the booklet for
XYZ(33.2243, 37.2978, 20.4038)
contains.

XYZ(33.2655, 37.3312, 20.4913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2655, 37.3312,
20.4913)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA76F
RGB	170, 167, 111
RGB Percent	67%, 65%, 44%
CMY	0.3333, 0.3451, 0.5647
CMYK	0.00, 0.02, 0.35, 0.33
HSL	57°, 26%, 55%
HSV	57°, 35%, 67%
XYZ	33.2655, 37.3312, 20.4913
YIQ	161.5130, 19.7640, -16.7800

Conversions

Conversions Part 2

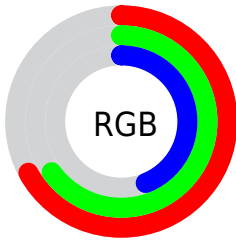
Format	Color
RYB	114, 170, 111
Decimal	11183983
CIELab	67.52, -7.66, 29.40
CIELCh	68, 30.377, 104.604
Yxy	37.3312, 0.3652, 0.4098
Android (android.graphics.Color)	4289374063 (0xFFAAA76F)
YUV	161.5130, -24.9029, 7.4431
Hunter-Lab	61.0993, -9.7394, 22.8850

Details

The XYZ color **33.2655, 37.3312, 20.4913** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.8284, 18.3158, 40.5204**, and the grayscale version is **34.2219, 36.0041, 39.2085**.

A 20% lighter version of the original color is **64.0962, 71.0556, 44.9872**, and **14.3364, 16.3912, 6.9656** is the 20% darker color. If you saturate the color by 10%, you get **32.2600, 36.6781, 15.9694**, and if you desaturate by 10%, it is **34.4521, 38.0610, 25.9534**.

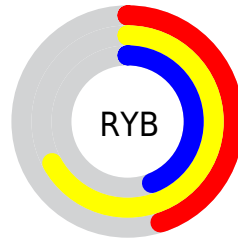
Distribution



Red (67%)

Green (65%)

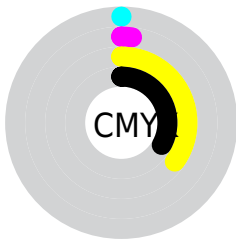
Blue (44%)



Red (45%)

Yellow (67%)

Blue (44%)

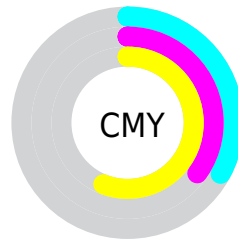


Cyan (0%)

Magenta (2%)

Yellow (35%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2655, 37.3312, 20.4913 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 33.2655, 37.3312, 20.4913 by changing the saturation by 10% instead.

■ 33.2655, 37.3312,
20.4913

■ 33.2655, 37.3312,
20.4913

308.4883,
334.7422, 267.2542

■ 22.4901, 25.4640,
12.5651

■ 64.1417, 71.0819,
45.1091

■ 14.3361, 16.4231,
7.0026

■ 84.9733, 93.7342,
62.6378

■ 8.4381, 9.8240,
3.3852

■ 109.8876,
120.7503, 84.2043

■ 4.4307, 5.2825,
1.2945

■ 139.2501,
152.5147, 110.2273

■ 1.9485, 2.4139,
0.0573

173.4260,
189.4116, 141.1252

■ 0.6048, 0.8330,
0.0000

212.7808,

■ 0.0000, 0.0000,

231.8256, 177.3166

0.0000

257.6798,
280.1410, 219.2201

■ 33.2655, 37.3312,
20.4913

■ 33.2655, 37.3312,
20.4913

■ 32.2600, 36.6781,
15.9694

■ 34.4521, 38.0610,
25.9534

■ 31.4226, 36.0927,
12.3320

■ 35.8264, 38.8663,
32.4025

■ 30.7431, 35.5722,
9.5210


■ 37.3980, 39.7521,
39.8851


■ 30.2091, 35.1114,
7.4707


■ 39.1749, 40.7218,
48.4441


■ 29.8061, 34.7048,
6.1051

■ 41.1649, 41.7785,
58.1200


 29.5166, 34.3453,
5.3321

 43.3754, 42.9250,
68.9511

 29.3870, 34.1650,
5.0456

 45.8131, 44.1641,
80.9741

 48.4848, 45.4985,
94.2237

 49.9132, 46.3373,
100.9210

Harmonies

Analogous

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



37.9205, 37.3312, 20.5497



33.2655, 37.3312, 20.4913



29.5417, 37.3312, 24.9464

Triad

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



33.2655, 37.3312, 20.4913



29.4640, 37.3312, 61.5169



44.8648, 37.3312, 47.8660

Complementary

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



33.2655, 37.3312, 20.4913



19.8284, 18.3158, 40.5204

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.



42.1700, 37.3312, 61.8491



33.2655, 37.3312, 20.4913



33.1507, 37.3312, 70.8317

Square

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



33.2655, 37.3312, 20.4913



27.4812, 37.3312, 47.4838



37.7952, 37.3312, 70.9651



44.9024, 37.3312, 34.5007

Rectangle

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



33.2655, 37.3312, 20.4913



27.9714, 37.3312, 30.5836



37.7952, 37.3312, 70.9651



44.2298, 37.3312, 52.7071

Sweetspot

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



33.2664, 37.3329, 20.4921



66.2480, 71.2275, 64.6952



25.3529, 21.1516, 18.9465



14.6881, 15.8356, 14.0207



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.



33.2664, 37.3329, 20.4921



58.8627, 66.7696, 30.4405



28.8216, 35.8656, 20.4431



8.1138, 8.7076, 8.0424



21.6300, 25.1573, 3.7158



0.5358, 0.6311, 0.0936

Inverse Universe

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



19.8284, 18.3158, 40.5204



30.6112, 26.7932, 72.5601



23.1861, 19.5534, 40.5823



7.1612, 7.3594, 9.4614



5.4189, 2.2980, 28.1334



0.1411, 0.0744, 0.6876

Previews

White Background



This preview shows how the XYZ color 33.2655, 37.3312, 20.4913 looks on a white background.

Color Contrast Check

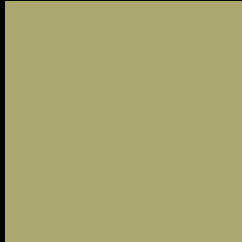
Large Text (above 18pt) WCAG AA × Fail

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 33.2655, 37.3312, 20.4913 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

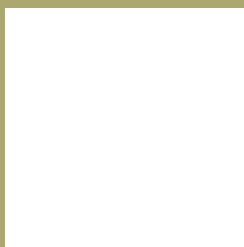
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2655, 37.3312, 20.4913

Background



This preview shows how black text looks on a background with the XYZ color 33.2655, 37.3312, 20.4913.



This preview shows how white text looks on a background with the XYZ color 33.2655, 37.3312,

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

33.2655, 37.3312, 20.4913

Protanopia

34.4500, 37.1417, 20.1052

Deuteranopia

37.8026, 37.0420, 20.7802



Tritanopia

37.9760, 37.1219, 44.1934

Trichromacy



Original Color

33.2655, 37.3312, 20.4913

Protanomaly

33.9488, 37.1500, 20.1332

Deuteranomaly

36.1630, 37.2244, 20.6083

Tritanomaly

35.8809, 37.0413, 34.1127

Monochromacy



Original Color

33.2655, 37.3312, 20.4913

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 33.2655, 37.3312, 20.4913 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, 167, 111)` looks like.

```
.text, #text, p{  
    color:rgb(170, 167, 111)  
}
```

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, 167, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 167, 111) }
```

Border

The CSS property to change the border of an element to XYZ 33.2655, 37.3312, 20.4913 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, 167, 111) }
```


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

```
.border{ border-color:rgb(170, 167, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 167, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 167, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 167, 111);  
box-shadow:4px 4px 4px 4px rgb(170, 167,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2655, 37.3312, 20.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 167, 111) }
```

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

```
.background{ background-color: rgb(170,  
167, 111) }
```

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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