

Converting Colors

XYZ(33.0262, 38.0280, 20.9292)

Have a look what the booklet for
XYZ(33.0262, 38.0280, 20.9292)
contains.

XYZ(33.0252, 38.0263, 20.9284)	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(33.0252, 38.0263,
20.9284)**

Conversions

Conversions Part 1

Format	Color
Hex	A6AA70
RGB	166, 170, 112
RGB Percent	65%, 67%, 44%
CMY	0.3490, 0.3333, 0.5608
CMYK	0.02, 0.00, 0.34, 0.33
HSL	64°, 25%, 55%
HSV	64°, 34%, 67%
XYZ	33.0252, 38.0263, 20.9284
YIQ	162.1920, 16.2340, -18.8860

Conversions

Conversions Part 2

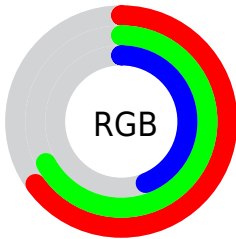
Format	Color
RYB	112, 170, 116
Decimal	10922608
CIELab	68.04, -10.73, 29.47
CIELCh	68, 31.367, 110.004
Yxy	38.0263, 0.3590, 0.4134
Android (android.graphics.Color)	4289112688 (0xFFA6AA70)
YUV	162.1920, -24.7447, 3.3396
Hunter-Lab	61.6655, -12.3181, 23.0436

Details

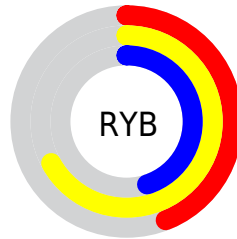
The XYZ color **33.0252, 38.0263, 20.9284** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.2538, 18.2046, 40.4788**, and the grayscale version is **34.5405, 36.3393, 39.5735**.

A 20% lighter version of the original color is **63.7503, 72.0604, 45.6710**, and **14.1857, 16.8265, 7.2028** is the 20% darker color. If you saturate the color by 10%, you get **31.9221, 37.5581, 16.3937**, and if you desaturate by 10%, it is **34.3112, 38.5706, 26.4061**.

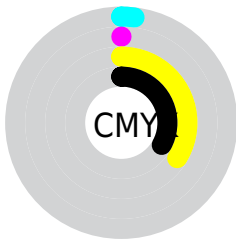
Distribution



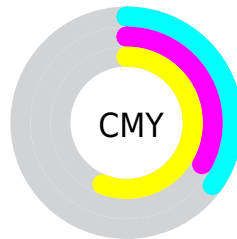
- Red (65%)
- Green (67%)
- Blue (44%)



- Red (44%)
- Yellow (67%)
- Blue (45%)



- Cyan (2%)
- Magenta (0%)
- Yellow (34%)
- Black (33%)



- Cyan (35%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0252, 38.0263, 20.9284 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 33.0252, 38.0263, 20.9284 by changing the saturation by 10% instead.

■ 33.0252, 38.0263,
20.9284

■ 33.0252, 38.0263,
20.9284

307.4262,
337.7328, 269.6663

■ 22.3051, 26.0031,
12.8809

■ 63.7693, 72.1484,
45.8476

■ 14.1991, 16.8260,
7.2169

■ 84.5240, 95.0162,
63.5564

■ 8.3419, 10.1105,
3.5176

■ 109.3542,
122.2676, 85.3227

■ 4.3681, 5.4723,
1.3646

■ 138.6253,
154.2870, 111.5651

■ 1.9124, 2.5269,
0.1139

172.7028,
191.4588, 142.7022

■ 0.5840, 0.8901,
0.0000

211.9518,

■ 0.0000, 0.0000,

234.1674, 179.1523

0.0000

256.7379,
282.7973, 221.3342

■ 33.0252, 38.0263,
20.9284

■ 33.0252, 38.0263,
20.9284

■ 31.9221, 37.5581,
16.3937

■ 34.3112, 38.5706,
26.4061

■ 30.9889, 37.1568,
12.7466

■ 35.7866, 39.1896,
32.8734

■ 30.2156, 36.8197,
9.9293

■ 37.4609, 39.8884,
40.3766

■ 29.5897, 36.5418,
7.8766

■ 39.3423, 40.6703,
48.9585

■ 29.0968, 36.3174,
6.5133

■ 41.4385, 41.5383,
58.6593

■ 28.7200, 36.1396,
5.7491

■ 43.7567, 42.4955,
69.5175

■ 28.5287, 36.0474,
5.4542

■ 46.3038, 43.5445,
81.5693

■ 49.0865, 44.6879,
94.8497

■ 50.4578, 45.2671,
100.6858

Harmonies

Analogous

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



37.7972, 38.0263, 20.1674



33.0252, 38.0263, 20.9284



29.4166, 38.0263, 26.4147

Triad

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



33.0252, 38.0263, 20.9284



30.4379, 38.0263, 65.6090



46.2002, 38.0263, 46.2491

Complementary

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



33.0252, 38.0263, 20.9284



20.2538, 18.2046, 40.4788

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.



43.8234, 38.0263, 61.2030



33.0252, 38.0263, 20.9284



34.5375, 38.0263, 73.9321

Square

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



33.0252, 38.0263, 20.9284



28.0187, 38.0263, 51.3007



39.4508, 38.0263, 72.1595



45.7027, 38.0263, 32.8700

Rectangle

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



33.0252, 38.0263, 20.9284



28.0183, 38.0263, 32.8732



39.4508, 38.0263, 72.1595



45.7033, 38.0263, 51.2965

Sweetspot

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



33.0262, 38.0280, 20.9292



66.0793, 71.5827, 64.7726



25.7335, 22.1769, 18.2540



14.6454, 15.9254, 14.0403



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.



33.0262, 38.0280, 20.9292



58.3629, 68.3322, 31.5476



27.6392, 35.2509, 20.6771



8.0950, 8.7471, 8.0510



21.0040, 26.5252, 4.0128



0.5257, 0.6529, 0.0983

Inverse Universe

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



20.2538, 18.2046, 40.4788



31.6111, 26.8022, 72.5091



24.7046, 20.4991, 40.6871



7.1780, 7.3244, 9.4538



5.4652, 2.2008, 28.1122



0.1475, 0.0610, 0.6847

Previews

White Background



This preview shows how the XYZ color 33.0252, 38.0263, 20.9284 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 33.0252, 38.0263, 20.9284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

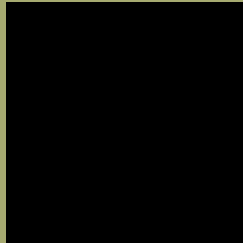
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0252, 38.0263, 20.9284

Background



This preview shows how black text looks on a background with the XYZ color 33.0252, 38.0263, 20.9284.



This preview shows how white text looks on a background with the XYZ color 33.0252, 38.0263,

20.9284.

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

33.0252, 38.0263, 20.9284

Protanopia

35.2731, 38.1015, 20.2471

Deuteranopia

38.7241, 38.0169, 21.2166



Tritanopia

38.1138, 37.9345, 45.8707

Trichromacy



Original Color

33.0252, 38.0263, 20.9284

Protanomaly

34.3672, 37.8991, 20.5428

Deuteranomaly

36.3275, 37.8257, 21.0092

Tritanomaly

35.9172, 37.8352, 35.1156

Monochromacy



Original Color

33.0252, 38.0263, 20.9284

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.5934, 36.7104, 31.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0252, 38.0263, 20.9284 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(166, 170, 112)` looks like.

```
.text, #text, p{  
    color:rgb(166, 170, 112)  
}
```

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(166, 170, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 170, 112) }
```

Border

The CSS property to change the border of an element to XYZ 33.0252, 38.0263, 20.9284 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(166, 170, 112) }
```


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

```
.border{ border-color:rgb(166, 170, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 170, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 170, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 170, 112);  
box-shadow:4px 4px 4px 4px rgb(166, 170,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0252, 38.0263, 20.9284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 170, 112) }
```

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

```
.background{ background-color: rgb(166,  
170, 112) }
```

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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