

Converting Colors

XYZ(33.8854, 42.2994, 20.2886)

Have a look what the booklet for
XYZ(33.8854, 42.2994, 20.2886)
contains.

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Color

**XYZ(33.8854, 42.2994,
20.2886)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB76B
RGB	159, 183, 107
RGB Percent	62%, 72%, 42%
CMY	0.3765, 0.2823, 0.5804
CMYK	0.13, 0.00, 0.42, 0.28
HSL	79°, 35%, 57%
HSV	79°, 42%, 72%
XYZ	33.8854, 42.2994, 20.2886
YIQ	167.1600, 10.0920, -28.7240

Conversions

Conversions Part 2

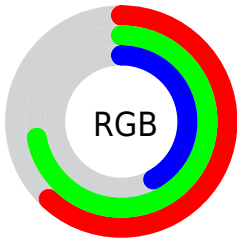
Format	Color
RYB	107, 183, 131
Decimal	10467179
CIELab	71.08, -20.79, 35.90
CIElCh	71, 41.487, 120.082
Yxy	42.2994, 0.3512, 0.4385
Android (android.graphics.Color)	4288657259 (0xFF9FB76B)
YUV	167.1600, -29.6589, -7.1563
Hunter-Lab	65.0380, -20.8163, 27.0311

Details

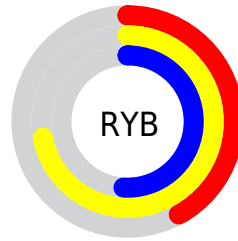
The XYZ color **33.8854, 42.2994, 20.2886** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.1667, 18.7607, 47.2023**, and the grayscale version is **36.9461, 38.8702, 42.3297**.

A 20% lighter version of the original color is **65.1488, 78.6833, 44.5546**, and **14.6902, 19.3349, 6.9607** is the 20% darker color. If you saturate the color by 10%, you get **31.9035, 41.3788, 15.6911**, and if you desaturate by 10%, it is **36.1268, 43.3329, 25.9636**.

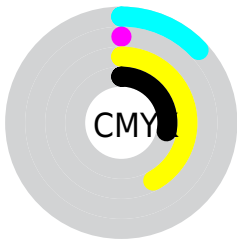
Distribution



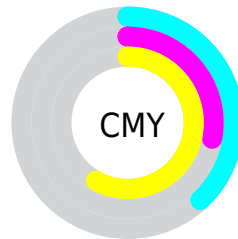
- Red (62%)
- Green (72%)
- Blue (42%)



- Red (42%)
- Yellow (72%)
- Blue (51%)



- Cyan (13%)
- Magenta (0%)
- Yellow (42%)
- Black (28%)



- Cyan (38%)
- Magenta (28%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8854, 42.2994, 20.2886 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 33.8854, 42.2994, 20.2886 by changing the saturation by 10% instead.

■ 33.8854, 42.2994,
20.2886

■ 33.8854, 42.2994,
20.2886

311.2157,
355.7226, 266.1289

■ 22.9680, 29.3358,
12.4188

■ 65.1009, 78.6526,
44.7658

■ 14.6905, 19.3350,
6.9036

■ 86.1297, 102.8109,
62.2104

■ 8.6873, 11.9126,
3.3244

■ 111.2598,
131.4696, 83.6836

■ 4.5933, 6.6842,
1.2625

■ 140.8564,
165.0131, 109.6041

■ 2.0429, 3.2654,
0.0308

175.2850,
203.8257, 140.3903

■ 0.6579, 1.2718,
0.0000

214.9108,

■ 0.0000, 0.1192,

248.2919, 176.4608

0.0000

260.0992,
298.7961, 218.2342

■ 0.0000, 0.0000,
0.0000

■ 33.8854, 42.2994,
20.2886

■ 33.8854, 42.2994,
20.2886

■ 31.9035, 41.3788,
15.6911

■ 36.1268, 43.3329,
25.9636

■ 30.1643, 40.5599,
12.1000

■ 38.6370, 44.4788,
32.7757

■ 28.6536, 39.8384,
9.4401


■ 41.4289, 45.7437,
40.7834


■ 27.3542, 39.2073,
7.6244


■ 44.5131, 47.1320,
50.0404


■ 26.2456, 38.6585,
6.5494


■ 47.9001, 48.6479,
60.5970

 25.4218, 38.2442,
6.0420

 51.5994, 50.2953,
72.5010

 55.6203, 52.0781,
85.7976

 59.9717, 53.9997,
100.5299

 61.8539, 54.9405,
101.9523

Harmonies

Analogous

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



40.1853, 42.2994, 17.4546



33.8854, 42.2994, 20.2886



29.7209, 42.2994, 29.5175

Triad

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



33.8854, 42.2994, 20.2886



33.9147, 42.2994, 87.7086



55.0639, 42.2994, 46.0025

Complementary

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



33.8854, 42.2994, 20.2886



23.1667, 18.7607, 47.2023

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.



52.9018, 42.2994, 67.8456



33.8854, 42.2994, 20.2886



40.2233, 42.2994, 95.7604

Square

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



33.8854, 42.2994, 20.2886



29.7364, 42.2994, 67.9675



47.2637, 42.2994, 87.6251



52.8790, 42.2994, 29.4476

Rectangle

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



33.8854, 42.2994, 20.2886



28.4498, 42.2994, 39.7884



47.2637, 42.2994, 87.6251



54.8186, 42.2994, 52.9514

Sweetspot

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



33.8864, 42.3013, 20.2895



73.8445, 81.7640, 72.0119



30.1399, 27.0423, 17.5417



16.1615, 17.9920, 15.4717



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.8864, 42.3013, 20.2895



57.3713, 74.2151, 28.6204



27.6431, 39.0827, 19.9973



9.4668, 10.3573, 9.6071



17.8072, 26.7163, 4.2182



0.6887, 0.9733, 0.1516

Inverse Universe

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



23.1667, 18.7607, 47.2023



35.5695, 26.2863, 83.4348



29.9123, 22.2383, 47.5180



8.7809, 8.8534, 11.3255



7.2355, 3.0412, 31.4587



0.3211, 0.1412, 1.1121

Previews

White Background



This preview shows how the XYZ color 33.8854, 42.2994, 20.2886 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 33.8854, 42.2994, 20.2886 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 33.8854, 42.2994, 20.2886

Background



This preview shows how black text looks on a background with the XYZ color 33.8854, 42.2994, 20.2886.



This preview shows how white text looks on a background with the XYZ color 33.8854, 42.2994,

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

33.8854, 42.2994, 20.2886

Protanopia

38.8699, 42.2187, 19.1971

Deuteranopia

42.8000, 41.9754, 20.8852



Tritanopia

40.6833, 42.4060, 53.0546

Trichromacy



Original Color

33.8854, 42.2994, 20.2886

Protanomaly

36.8623, 42.0479, 19.5378

Deuteranomaly

39.0529, 41.7072, 20.7438

Tritanomaly

37.6196, 42.0199, 38.4756

Monochromacy



Original Color

33.8854, 42.2994, 20.2886

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3642, 39.8240, 32.6110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8854, 42.2994, 20.2886 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(159, 183, 107)` looks like.

```
.text, #text, p{  
    color:rgb(159, 183, 107)  
}
```

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(159, 183, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 183, 107) }
```

Border

The CSS property to change the border of an element to XYZ 33.8854, 42.2994, 20.2886 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(159, 183, 107) }
```


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

```
.border{ border-color:rgb(159, 183, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 183, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 183, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 183, 107);  
box-shadow:4px 4px 4px 4px rgb(159, 183,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8854, 42.2994, 20.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 183, 107) }
```

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

```
.background{ background-color: rgb(159,  
183, 107) }
```

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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