

Converting Colors

XYZ(33.3798, 42.7681, 17.2825)

Have a look what the booklet for
XYZ(33.3798, 42.7681, 17.2825)
contains.

XYZ(33.3191, 42.6922, 17.3108)	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(33.3191, 42.6922,
17.3108)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB95F
RGB	157, 185, 95
RGB Percent	62%, 73%, 37%
CMY	0.3843, 0.2745, 0.6274
CMYK	0.15, 0.00, 0.49, 0.27
HSL	79°, 39%, 55%
HSV	79°, 49%, 73%
XYZ	33.3191, 42.6922, 17.3108
YIQ	166.3680, 12.2020, -33.9260

Conversions

Conversions Part 2

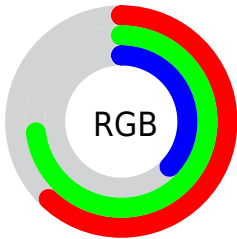
Format	Color
RYB	95, 185, 123
Decimal	10336607
CIELab	71.35, -23.94, 42.25
CIElCh	71, 48.560, 119.536
Yxy	42.6922, 0.3570, 0.4575
Android (android.graphics.Color)	4288526687 (0xFF9DB95F)
YUV	166.3680, -35.1844, -8.2157
Hunter-Lab	65.3393, -23.3194, 30.0294

Details

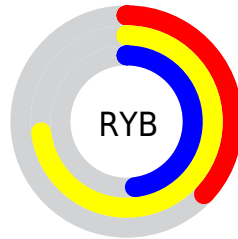
The XYZ color **33.3191, 42.6922, 17.3108** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.0193, 15.8993, 47.8624**, and the grayscale version is **36.5856, 38.4909, 41.9165**.

A 20% lighter version of the original color is **64.1623, 79.1633, 39.5021**, and **14.4338, 19.6350, 5.5118** is the 20% darker color. If you saturate the color by 10%, you get **31.4796, 41.8312, 13.3444**, and if you desaturate by 10%, it is **35.4133, 43.6642, 22.3332**.

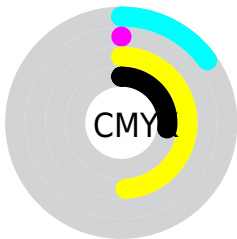
Distribution



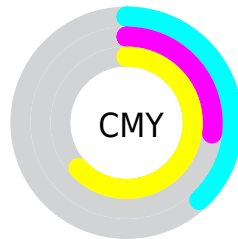
- Red (62%)
- Green (73%)
- Blue (37%)



- Red (37%)
- Yellow (73%)
- Blue (48%)



- Cyan (15%)
- Magenta (0%)
- Yellow (49%)
- Black (27%)



- Cyan (38%)
- Magenta (27%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3191, 42.6922, 17.3108 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 33.3191, 42.6922, 17.3108 by changing the saturation by 10% instead.

■ 33.3191, 42.6922,
17.3108

■ 33.3191, 42.6922,
17.3108

308.7248,
357.3444, 249.0614

■ 22.5314, 29.6437,
10.2920

■ 64.2248, 79.2462,
39.6573

■ 14.3667, 19.5683,
5.4849

■ 85.0734, 103.5204,
55.8222

■ 8.4595, 12.0816,
2.4708

■ 110.0065,
132.3054, 75.8728

■ 4.4446, 6.7993,
0.8246

■ 139.3893,
165.9854, 100.2277

■ 1.9566, 3.3369,
0.0000

173.5871,
204.9449, 129.3055

■ 0.6094, 1.3100,
0.0000

212.9654,

■ 0.0000, 0.1490,

249.5684, 163.5247

0.0000

257.8895,
300.2400, 203.3038

■ 0.0000, 0.0000,
0.0000

■ 33.3191, 42.6922,
17.3108

■ 33.3191, 42.6922,
17.3108

■ 31.4796, 41.8312,
13.3444

■ 35.4133, 43.6642,
22.3332

■ 29.8767, 41.0693,
10.3557

■ 37.7728, 44.7470,
28.4772

■ 28.4943, 40.4016,
8.2598


■ 40.4112, 45.9477,
35.8062


■ 27.3126, 39.8201,
6.9560

■ 43.3401, 47.2709,
44.3782


■ 26.2984, 39.3113,
6.2736


■ 46.5705, 48.7211,
54.2471

 26.1678, 39.2456,
6.1960

 50.1127, 50.3026,
65.4640

 53.9765, 52.0193,
78.0769

 58.1712, 53.8750,
92.1318

 61.6402, 55.4471,
102.0613

Harmonies

Analogous

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



40.7049, 42.6922, 14.4594



33.3191, 42.6922, 17.3108



28.4929, 42.6922, 27.2106

Triad

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



33.3191, 42.6922, 17.3108



33.1265, 42.6922, 97.0145



58.3904, 42.6922, 46.8494

Complementary

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



33.3191, 42.6922, 17.3108



21.0193, 15.8993, 47.8624

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.



55.6716, 42.6922, 73.2125



33.3191, 42.6922, 17.3108



40.4507, 42.6922, 107.5070

Square

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



33.3191, 42.6922, 17.3108



28.3926, 42.6922, 72.3626



48.8205, 42.6922, 97.6100



55.8287, 42.6922, 27.6540

Rectangle

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



33.3191, 42.6922, 17.3108



27.0131, 42.6922, 38.7869



48.8205, 42.6922, 97.6100



58.0589, 42.6922, 55.1387

Sweetspot

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



33.3201, 42.6941, 17.3117



74.0981, 83.0690, 69.0951



29.0342, 25.0609, 14.1341



15.7439, 17.8038, 14.2307



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.



33.3201, 42.6941, 17.3117



56.2848, 74.8719, 23.7135



26.2260, 39.0369, 16.9797



9.4710, 10.3594, 9.6073



17.8945, 26.7613, 4.2223



0.6913, 0.9746, 0.1517

Inverse Universe

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



21.0193, 15.8993, 47.8624



31.7956, 21.4409, 84.6673



28.7871, 19.9038, 48.2259



8.7770, 8.8514, 11.3253



7.2006, 3.0232, 31.4571



0.3195, 0.1404, 1.1120

Previews

White Background



This preview shows how the XYZ color 33.3191, 42.6922, 17.3108 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 33.3191, 42.6922, 17.3108 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 33.3191, 42.6922, 17.3108

Background



This preview shows how black text looks on a background with the XYZ color 33.3191, 42.6922, 17.3108.



This preview shows how white text looks on a background with the XYZ color 33.3191, 42.6922,

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

33.3191, 42.6922, 17.3108

Protanopia

38.7626, 42.2339, 16.0065

Deuteranopia

43.0878, 42.1896, 17.9290



Tritanopia

40.7693, 42.7258, 53.6751

Trichromacy



Original Color

33.3191, 42.6922, 17.3108

Protanomaly

36.4426, 42.1972, 16.3494

Deuteranomaly

38.8864, 41.9754, 17.6078

Tritanomaly

37.4699, 42.5726, 36.8143

Monochromacy



Original Color

33.3191, 42.6922, 17.3108

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.7815, 39.5671, 30.6150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3191, 42.6922, 17.3108 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(157, 185, 95)` looks like.

```
.text, #text, p{  
    color:rgb(157, 185, 95)  
}
```

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(157, 185, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 185, 95) }
```

Border

The CSS property to change the border of an element to XYZ 33.3191, 42.6922, 17.3108 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(157, 185, 95) }
```


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

```
.border{ border-color:rgb(157, 185, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 185, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 185, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 185, 95);  
box-shadow:4px 4px 4px 4px rgb(157, 185,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3191, 42.6922, 17.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 185, 95) }
```

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

```
.background{ background-color: rgb(157,  
185, 95) }
```

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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