

Converting Colors

XYZ(33.0624, 41.3851, 17.6935)

Have a look what the booklet for
XYZ(33.0624, 41.3851, 17.6935)
contains.

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Color

**XYZ(33.0266, 41.3005,
17.7864)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB562
RGB	159, 181, 98
RGB Percent	62%, 71%, 38%
CMY	0.3765, 0.2902, 0.6157
CMYK	0.12, 0.00, 0.46, 0.29
HSL	76°, 36%, 55%
HSV	76°, 46%, 71%
XYZ	33.0266, 41.3005, 17.7864
YIQ	164.9600, 13.5310, -30.4770

Conversions

Conversions Part 2

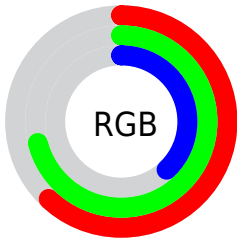
Format	Color
R_{YB}	98, 181, 120
Decimal	10466658
CIE _{Lab}	70.39, -20.84, 39.61
CIE _{LCh}	70, 44.758, 117.746
Yxy	41.3005, 0.3585, 0.4484
Android (android.graphics.Color)	4288656738 (0xFF9FB562)
YUV	164.9600, -33.0113, -5.2269
Hunter-Lab	64.2655, -20.7318, 28.5765

Details

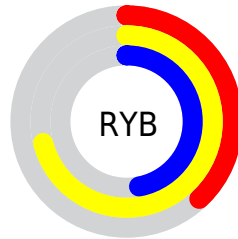
The XYZ color **33.0266, 41.3005, 17.7864** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.4554, 16.0657, 45.7412**, and the grayscale version is **35.8947, 37.7640, 41.1250**.

A 20% lighter version of the original color is **63.8135, 77.2175, 40.3953**, and **14.1965, 18.7159, 5.6606** is the 20% darker color. If you saturate the color by 10%, you get **31.3340, 40.5171, 13.7395**, and if you desaturate by 10%, it is **34.9515, 42.1840, 22.8546**.

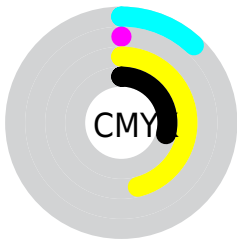
Distribution



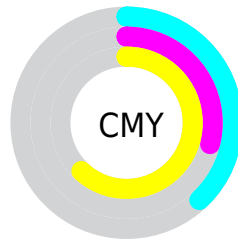
- Red (62%)
- Green (71%)
- Blue (38%)



- Red (38%)
- Yellow (71%)
- Blue (47%)



- Cyan (12%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)





- Cyan (38%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0266, 41.3005, 17.7864 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 33.0266, 41.3005, 17.7864 by changing the saturation by 10% instead.


 33.0266, 41.3005,
17.7864


 33.0266, 41.3005,
17.7864


307.4324,
351.5750, 251.8599

 22.3062, 28.5540,
10.6289

 63.7715, 77.1399,
40.4820


 14.1999, 18.7437,
5.7069


 84.5266, 101.0015,
56.8572

 8.3425, 11.4852,
2.6018


 109.3573,
129.3369, 77.1421

 4.3685, 6.3942,
0.8934

 138.6290,
162.5305, 101.7551

 1.9126, 3.0862,
0.0000

172.7070,
200.9667, 131.1149

 0.5842, 1.1769,
0.0000

211.9567,

 0.0000, 0.0427,

245.0300, 165.6399

0.0000

256.7434,
295.1046, 205.7487

■ 0.0000, 0.0000,
0.0000

■ 33.0266, 41.3005,
17.7864

■ 33.0266, 41.3005,
17.7864

■ 31.3340, 40.5171,
13.7395

■ 34.9515, 42.1840,
22.8546

■ 29.8570, 39.8227,
10.6418

■ 37.1179, 43.1669,
29.0044

■ 28.5813, 39.2130,
8.4160


■ 39.5384, 44.2559,
36.2947


■ 27.4894, 38.6810,
6.9714


■ 42.2234, 45.4551,
44.7792

■ 26.5588, 38.2175,
6.1923


■ 45.1830, 46.7685,
54.5084

 26.2007, 38.0376,
5.9611

 48.4266, 48.2000,
65.5298

 51.9630, 49.7533,
77.8882

 55.8008, 51.4316,
91.6266

 58.9823, 52.8521,
101.7005

Harmonies

Analogous

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



39.8142, 41.3005, 15.4064



33.0266, 41.3005, 17.7864



28.4593, 41.3005, 26.6182

Triad

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



33.0266, 41.3005, 17.7864



32.1747, 41.3005, 88.7050



55.1664, 41.3005, 46.5824

Complementary

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



33.0266, 41.3005, 17.7864



20.4554, 16.0657, 45.7412

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.



52.4843, 41.3005, 70.2596



33.0266, 41.3005, 17.7864



38.7008, 41.3005, 98.8595

Square

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



33.0266, 41.3005, 17.7864



28.0124, 41.3005, 66.6067



46.2208, 41.3005, 91.2363



53.1628, 41.3005, 28.6127

Rectangle

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



33.0266, 41.3005, 17.7864



26.9831, 41.3005, 36.9020



46.2208, 41.3005, 91.2363



54.7764, 41.3005, 54.1341

Sweetspot

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



33.0276, 41.3023, 17.7873



71.5562, 79.5920, 67.3171



27.8292, 23.8411, 14.6909



15.2546, 17.1080, 13.8954



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.0276, 41.3023, 17.7873



56.0979, 72.5532, 24.5662



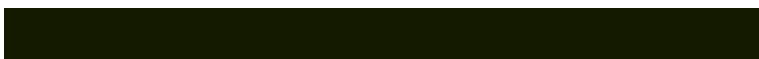
26.3033, 37.8359, 17.4726



8.9729, 9.7911, 9.0695



18.1294, 26.2561, 4.1124



0.6219, 0.8527, 0.1318

Inverse Universe

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



20.4554, 16.0657, 45.7412



30.8250, 21.7507, 80.8683



27.2568, 19.5720, 46.0595



8.2463, 8.3355, 10.6806



6.6468, 2.7623, 30.3199



0.2655, 0.1160, 0.9566

Previews

White Background



This preview shows how the XYZ color 33.0266, 41.3005, 17.7864 looks on a white background.

Color Contrast Check

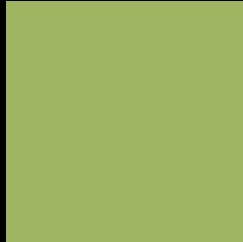
Large Text (above 18pt) WCAG AA × Fail

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 33.0266, 41.3005, 17.7864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

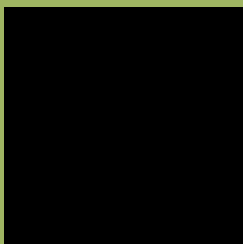
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0266, 41.3005, 17.7864

Background



This preview shows how black text looks on a background with the XYZ color 33.0266, 41.3005, 17.7864.



This preview shows how white text looks on a background with the XYZ color 33.0266, 41.3005,

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

33.0266, 41.3005, 17.7864

Protanopia

37.8043, 41.1501, 16.7767

Deuteranopia

41.9682, 41.0655, 18.2848



Tritanopia

39.8974, 41.1747, 51.7436

Trichromacy



Original Color

33.0266, 41.3005, 17.7864

Protanomaly

35.8014, 40.9694, 17.0873

Deuteranomaly

38.2095, 40.7654, 18.1666

Tritanomaly

36.8056, 41.0668, 36.1238

Monochromacy



Original Color

33.0266, 41.3005, 17.7864

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4749, 38.8354, 30.8783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0266, 41.3005, 17.7864 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, 181, 98)` looks like.

```
.text, #text, p{  
    color:rgb(159, 181, 98)  
}
```

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, 181, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 181, 98) }
```

Border

The CSS property to change the border of an element to XYZ 33.0266, 41.3005, 17.7864 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, 181, 98) }
```


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

```
.border{ border-color:rgb(159, 181, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 181, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 181, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 181, 98);  
box-shadow:4px 4px 4px 4px rgb(159, 181,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0266, 41.3005, 17.7864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 181, 98) }
```

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

```
.background{ background-color: rgb(159,  
181, 98) }
```

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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