

Converting Colors

XYZ(33.2208, 40.6228, 13.1001)

Have a look what the booklet for
XYZ(33.2208, 40.6228, 13.1001)
contains.

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Color

**XYZ(33.1963, 40.5921,
13.1066)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B24D
RGB	167, 178, 77
RGB Percent	65%, 70%, 30%
CMY	0.3451, 0.3019, 0.6980
CMYK	0.06, 0.00, 0.57, 0.30
HSL	67°, 40%, 50%
HSV	67°, 57%, 70%
XYZ	33.1963, 40.5921, 13.1066
YIQ	163.1970, 25.8650, -33.7430

Conversions

Conversions Part 2

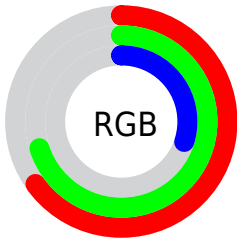
Format	Color
RYB	77, 178, 88
Decimal	10990157
CIELab	69.89, -18.09, 49.33
CIElCh	70, 52.548, 110.142
Yxy	40.5921, 0.3820, 0.4671
Android (android.graphics.Color)	4289180237 (0xFFA7B24D)
YUV	163.1970, -42.4951, 3.3352
Hunter-Lab	63.7119, -18.4907, 32.4014

Details

The XYZ color **33.1963, 40.5921, 13.1066** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.7157, 10.5978, 43.3919**, and the grayscale version is **35.0928, 36.9204, 40.2063**.

A 20% lighter version of the original color is **64.1257, 76.2779, 32.1122**, and **14.1704, 18.1738, 3.5717** is the 20% darker color. If you saturate the color by 10%, you get **32.2456, 40.1663, 10.2186**, and if you desaturate by 10%, it is **34.3271, 41.0936, 16.9023**.

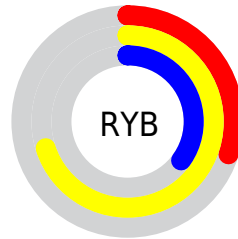
Distribution



Red (65%)

Green (70%)

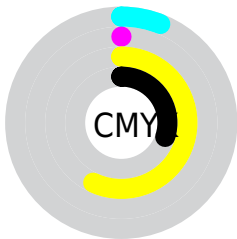
Blue (30%)



Red (30%)

Yellow (70%)

Blue (35%)

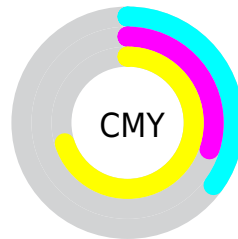


Cyan (6%)

Magenta (0%)

Yellow (57%)

Black (30%)



Cyan (35%)

Magenta (30%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1963, 40.5921, 13.1066 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 33.1963, 40.5921, 13.1066 by changing the saturation by 10% instead.

■ 33.1963, 40.5921,
13.1066

■ 33.1963, 40.5921,
13.1066

308.1827,
348.6129, 222.8315

■ 22.4368, 28.0005,
7.3704

■ 64.0345, 76.0643,
32.1892

■ 14.2966, 18.3260,
3.6129

■ 84.8440, 99.7137,
46.3726

■ 8.4103, 11.1843,
1.4155

■ 109.7341,
127.8178, 64.2089

■ 4.4126, 6.1909,
0.1537

■ 139.0703,
160.7610, 86.1165

■ 1.9381, 2.9615,
0.0000

■ 173.2179,
198.9277, 112.5140

■ 0.5988, 1.1117,
0.0000

212.5423,

■ 0.0000, 0.0000,

242.7024, 143.8200

0.0000

257.4087,
292.4693, 180.4530

■ 33.1963, 40.5921,
13.1066

■ 33.1963, 40.5921,
13.1066

■ 32.2456, 40.1663,
10.2186

■ 34.3271, 41.0936,
16.9023

■ 31.4576, 39.8048,
8.1599

■ 35.6479, 41.6703,
21.6704

■ 30.8166, 39.5028,
6.8432

■ 37.1712, 42.3287,
27.4728

■ 30.2992, 39.2510,
6.1459

■ 38.9077, 43.0732,
34.3653

■ 30.1421, 39.1737,
5.9726

■ 40.8673, 43.9076,
42.4000

■ 43.0592, 44.8356,
51.6253

■ 45.4922, 45.8609,
62.0872

■ 48.1745, 46.9865,
73.8291

■ 51.1140, 48.2158,
86.8920

Harmonies

Analogous

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



41.4632, 40.5921, 12.1596



33.1963, 40.5921, 13.1066



27.2944, 40.5921, 20.3815

Triad

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



33.1963, 40.5921, 13.1066



28.9813, 40.5921, 91.0477



57.1369, 40.5921, 52.7525

Complementary

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



33.1963, 40.5921, 13.1066



14.7157, 10.5978, 43.3919

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.



52.6170, 40.5921, 81.7296



33.1963, 40.5921, 13.1066



35.8367, 40.5921, 108.6495

Square

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



33.1963, 40.5921, 13.1066



25.1216, 40.5921, 62.4603



44.5199, 40.5921, 104.7217



56.1523, 40.5921, 29.8950

Rectangle

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



33.1963, 40.5921, 13.1066



25.1007, 40.5921, 30.0644



44.5199, 40.5921, 104.7217



56.1881, 40.5921, 62.1844

Sweetspot

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



33.1973, 40.5940, 13.1074



70.3681, 78.0273, 61.5713



23.1174, 16.8345, 9.0527



15.4461, 17.2254, 13.0628



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.



33.1973, 40.5940, 13.1074



58.0978, 72.6647, 17.4875



24.6514, 36.1884, 12.7075



9.1041, 9.8587, 9.0756



21.5982, 28.0443, 4.2748



0.7054, 0.8957, 0.1357

Inverse Universe

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



14.7157, 10.5978, 43.3919



21.3973, 13.0079, 77.7642



21.1062, 13.8922, 43.6910



8.1251, 8.2730, 10.6749



5.9751, 2.4161, 30.2884



0.2157, 0.0903, 0.9543

Previews

White Background



This preview shows how the XYZ color 33.1963, 40.5921, 13.1066 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 33.1963, 40.5921, 13.1066 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 33.1963, 40.5921, 13.1066

Background



This preview shows how black text looks on a background with the XYZ color 33.1963, 40.5921, 13.1066.



This preview shows how white text looks on a background with the XYZ color 33.1963, 40.5921,

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

33.1963, 40.5921, 13.1066

Protanopia

37.0681, 40.5810, 12.5358

Deuteranopia

40.9839, 40.1364, 13.3716



Tritanopia

40.4170, 40.3977, 48.8473

Trichromacy



Original Color

33.1963, 40.5921, 13.1066

Protanomaly

35.7320, 40.7390, 12.8176

Deuteranomaly

37.6987, 40.0538, 13.3336

Tritanomaly

36.9764, 40.1077, 31.7793

Monochromacy



Original Color

33.1963, 40.5921, 13.1066

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.4773, 37.5637, 27.3159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1963, 40.5921, 13.1066 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(167, 178, 77)` looks like.

```
.text, #text, p{  
    color:rgb(167, 178, 77)  
}
```

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(167, 178, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 178, 77) }
```

Border

The CSS property to change the border of an element to XYZ 33.1963, 40.5921, 13.1066 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(167, 178, 77) }
```


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

```
.border{ border-color:rgb(167, 178, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 178, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 178, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 178, 77);  
box-shadow:4px 4px 4px 4px rgb(167, 178,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1963, 40.5921, 13.1066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 178, 77) }
```

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

```
.background{ background-color: rgb(167,  
178, 77) }
```

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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