

Converting Colors

XYZ(32.8853, 40.6346, 12.2107)

Have a look what the booklet for
XYZ(32.8853, 40.6346, 12.2107)
contains.

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Color

**XYZ(33.0157, 40.8151,
12.2689)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B348
RGB	166, 179, 72
RGB Percent	65%, 70%, 28%
CMY	0.3490, 0.2980, 0.7176
CMYK	0.07, 0.00, 0.60, 0.30
HSL	67°, 43%, 49%
HSV	67°, 60%, 70%
XYZ	33.0157, 40.8151, 12.2689
YIQ	162.9150, 26.5990, -36.0330

Conversions

Conversions Part 2

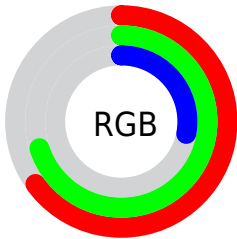
Format	Color
RYB	72, 179, 85
Decimal	10924872
CIELab	70.05, -19.41, 51.76
CIELCh	70, 55.276, 110.559
Yxy	40.8151, 0.3835, 0.4740
Android (android.graphics.Color)	4289114952 (0xFFA6B348)
YUV	162.9150, -44.8211, 2.7055
Hunter-Lab	63.8867, -19.5556, 33.3345

Details

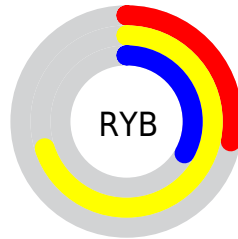
The XYZ color **33.0157, 40.8151, 12.2689** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.2018, 9.8217, 43.7976**, and the grayscale version is **34.9697, 36.7908, 40.0652**.

A 20% lighter version of the original color is **63.8414, 76.5853, 30.8197**, and **14.1026, 18.3357, 3.2478** is the 20% darker color. If you saturate the color by 10%, you get **32.0629, 40.3832, 9.6075**, and if you desaturate by 10%, it is **34.1482, 41.3227, 15.8277**.

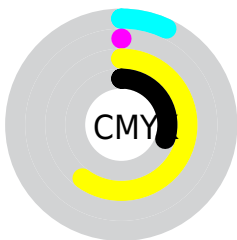
Distribution



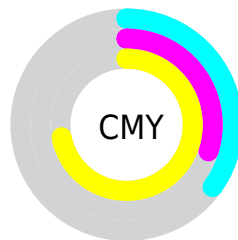
- Red (65%)
- Green (70%)
- Blue (28%)



- Red (28%)
- Yellow (70%)
- Blue (33%)



- Cyan (7%)
- Magenta (0%)
- Yellow (60%)
- Black (30%)



- Cyan (35%)
- Magenta (30%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0157, 40.8151, 12.2689 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 33.0157, 40.8151, 12.2689 by changing the saturation by 10% instead.

33.0157, 40.8151,
12.2689

33.0157, 40.8151,
12.2689

307.3842,
349.5472, 217.2182

22.2978, 28.1746,
6.8023

63.7546, 76.4031,
30.6556

14.1937, 18.4573,
3.2622

84.5062, 100.1195,
44.4128

8.3381, 11.2788,
1.2300

109.3331,
128.2966, 61.7707

4.3657, 6.2547,
0.0034

138.6006,
161.3189, 83.1477

1.9110, 3.0006,
0.0000

172.6742,
199.5706, 108.9624

0.5832, 1.1320,
0.0000

211.9190,

0.0000, 0.0051,

243.4364, 139.6333

0.0000

256.7006,
293.3004, 175.5791

■ 0.0000, 0.0000,
0.0000

■ 33.0157, 40.8151,
12.2689

■ 33.0157, 40.8151,
12.2689

■ 32.0629, 40.3832,
9.6075

■ 34.1482, 41.3227,
15.8277

■ 31.2715, 40.0153,
7.7609

■ 35.4709, 41.9058,
20.3519

■ 30.6247, 39.7061,
6.6353

■ 36.9970, 42.5712,
25.9060

■ 30.0859, 39.4410,
6.0387

■ 38.7374, 43.3232,
32.5481

■ 30.0742, 39.4352,
6.0267

■ 40.7024, 44.1659,
40.3321

■ 42.9016, 45.1033,
49.3081

■ 45.3441, 46.1388,
59.5235

■ 48.0383, 47.2760,
71.0229

■ 50.9923, 48.5180,
83.8487

Harmonies

Analogous

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



41.7087, 40.8151, 11.2428



33.0157, 40.8151, 12.2689



26.8810, 40.8151, 19.7637

Triad

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



33.0157, 40.8151, 12.2689



28.7850, 40.8151, 94.9006



58.5422, 40.8151, 53.0969

Complementary

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



33.0157, 40.8151, 12.2689



14.2018, 9.8217, 43.7976

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.



53.7895, 40.8151, 84.0569



33.0157, 40.8151, 12.2689



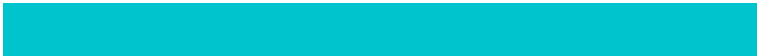
36.0174, 40.8151, 113.6589

Square

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



33.0157, 40.8151, 12.2689



24.7142, 40.8151, 64.2671



45.2089, 40.8151, 109.0638



57.4053, 40.8151, 29.1793

Rectangle

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



33.0157, 40.8151, 12.2689



24.6285, 40.8151, 29.8729



45.2089, 40.8151, 109.0638



57.5558, 40.8151, 63.1091

Sweetspot

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



33.0167, 40.8170, 12.2698



69.8659, 77.7979, 60.2106



22.9695, 16.4687, 8.0996



15.2667, 17.1449, 12.5143



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.



33.0167, 40.8170, 12.2698



56.9015, 72.0817, 15.9112



24.1035, 36.2221, 11.8526



9.0934, 9.8532, 9.0751



21.2873, 27.8841, 4.2602



0.6982, 0.8920, 0.1354

Inverse Universe

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



14.2018, 9.8217, 43.7976



20.2332, 11.5511, 77.5443



20.9339, 13.2922, 44.1126



8.1348, 8.2780, 10.6754



6.0105, 2.4343, 30.2901



0.2197, 0.0924, 0.9545

Previews

White Background



This preview shows how the XYZ color 33.0157, 40.8151, 12.2689 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 33.0157, 40.8151, 12.2689 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 33.0157, 40.8151, 12.2689

Background



This preview shows how black text looks on a background with the XYZ color 33.0157, 40.8151, 12.2689.



This preview shows how white text looks on a background with the XYZ color 33.0157, 40.8151,

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

33.0157, 40.8151, 12.2689

Protanopia

36.9036, 40.5152, 11.6695

Deuteranopia

41.5881, 40.7273, 12.6904



Tritanopia

40.4746, 40.6886, 49.4365

Trichromacy



Original Color

33.0157, 40.8151, 12.2689

Protanomaly

35.3294, 40.5508, 11.9263

Deuteranomaly

37.9636, 40.4860, 12.4703

Tritanomaly

36.7938, 40.3124, 31.0411

Monochromacy



Original Color

33.0157, 40.8151, 12.2689

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.5271, 37.8802, 26.6636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0157, 40.8151, 12.2689 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, 179, 72)` looks like.

```
.text, #text, p{  
    color:rgb(166, 179, 72)  
}
```

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, 179, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 179, 72) }
```

Border

The CSS property to change the border of an element to XYZ 33.0157, 40.8151, 12.2689 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, 179, 72) }
```


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

```
.border{ border-color:rgb(166, 179, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 179, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 179, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 179, 72);  
box-shadow:4px 4px 4px 4px rgb(166, 179,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0157, 40.8151, 12.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 179, 72) }
```

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

```
.background{ background-color: rgb(166,  
179, 72) }
```

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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