

Converting Colors

XYZ(33.1127, 40.7821, 16.0240)

Have a look what the booklet for
XYZ(33.1127, 40.7821, 16.0240)
contains.

XYZ(33.1127, 40.7821, 16.0240)	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(33.1127, 40.7821,
16.0240)**

Conversions

Conversions Part 1

Format	Color
Hex	A3B35B
RGB	163, 179, 91
RGB Percent	64%, 70%, 36%
CMY	0.3608, 0.2980, 0.6431
CMYK	0.09, 0.00, 0.49, 0.30
HSL	71°, 37%, 53%
HSV	71°, 49%, 70%
XYZ	33.1127, 40.7821, 16.0240
YIQ	164.1840, 18.7120, -30.7600

Conversions

Conversions Part 2

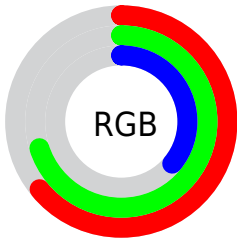
Format	Color
RYB	91, 179, 107
Decimal	10728283
CIELab	70.02, -18.97, 42.72
CIElCh	70, 46.744, 113.940
Yxy	40.7821, 0.3683, 0.4535
Android (android.graphics.Color)	4288918363 (0xFFA3B35B)
YUV	164.1840, -36.0797, -1.0384
Hunter-Lab	63.8609, -19.2019, 29.8255

Details

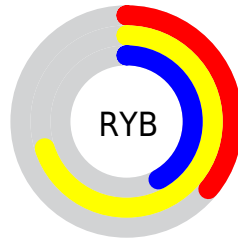
The XYZ color **33.1127, 40.7821, 16.0240** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.9427, 13.8637, 44.3805**, and the grayscale version is **35.5354, 37.3860, 40.7134**.

A 20% lighter version of the original color is **63.8797, 76.4599, 37.3780**, and **14.1678, 18.3330, 4.8897** is the 20% darker color. If you saturate the color by 10%, you get **31.7732, 40.1717, 12.4003**, and if you desaturate by 10%, it is **34.6556, 41.4787, 20.6202**.

Distribution



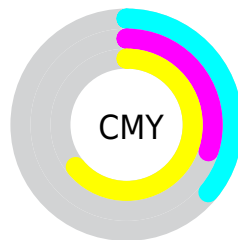
- Red (64%)
- Green (70%)
- Blue (36%)



- Red (36%)
- Yellow (70%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (49%)
- Black (30%)





- Cyan (36%)
- Magenta (30%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1127, 40.7821, 16.0240 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 33.1127, 40.7821, 16.0240 by changing the saturation by 10% instead.


 33.1127, 40.7821,
16.0240


 33.1127, 40.7821,
16.0240


307.8133,
349.4091, 241.3338


 22.3724, 28.1489,
9.3866


 63.9049, 76.3530,
37.4072

 14.2490, 18.4379,
4.8940


 84.6876, 100.0595,
52.9902

 8.3769, 11.2648,
2.1275


 109.5485,
128.2258, 72.3920

 4.3909, 6.2453,
0.6321

 138.8530,
161.2363, 96.0313

 1.9255, 2.9948,
0.0000

172.9663,
199.4756, 124.3266

 0.5916, 1.1290,
0.0000

212.2539,

 0.0000, 0.0025,

243.3278, 157.6964

0.0000

257.0811,
293.1775, 196.5593

■ 0.0000, 0.0000,
0.0000

■ 33.1127, 40.7821,
16.0240

■ 33.1127, 40.7821,
16.0240

■ 31.7732, 40.1717,
12.4003

■ 34.6556, 41.4787,
20.6202

■ 30.6206, 39.6366,
9.6765

■ 36.4110, 42.2609,
26.2496

■ 29.6407, 39.1726,
7.7740

■ 38.3910, 43.1349,
32.9709

■ 28.8156, 38.7724,
6.5993

■ 40.6059, 44.1049,
40.8376

■ 28.1121, 38.4227,
5.9777

■ 43.0654, 45.1747,
49.8998

■ 28.0552, 38.3943,
5.9322

■ 45.7784, 46.3481,
60.2047

■ 48.7536, 47.6284,
71.7966

■ 51.9991, 49.0188,
84.7181

■ 55.5227, 50.5227,
99.0094

Harmonies

Analogous

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



40.3306, 40.7821, 14.3725



33.1127, 40.7821, 16.0240



28.0779, 40.7821, 23.9923

Triad

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



33.1127, 40.7821, 16.0240



30.7573, 40.7821, 87.7267



55.2440, 40.7821, 48.9865

Complementary

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



33.1127, 40.7821, 16.0240



17.9427, 13.8637, 44.3805

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.



51.8619, 40.7821, 73.9870



33.1127, 40.7821, 16.0240



37.2349, 40.7821, 100.6064

Square

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



33.1127, 40.7821, 16.0240



26.8480, 40.7821, 63.7126



45.0202, 40.7821, 94.8925



53.7640, 40.7821, 29.4543

Rectangle

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



33.1127, 40.7821, 16.0240



26.3122, 40.7821, 33.7730



45.0202, 40.7821, 94.8925



54.6254, 40.7821, 57.0620

Sweetspot

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



33.1137, 40.7839, 16.0249



70.2527, 77.9072, 64.3040



25.5999, 20.5797, 12.5211



15.3856, 17.1819, 13.6168



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.



33.1137, 40.7839, 16.0249



56.7169, 71.8573, 21.7405



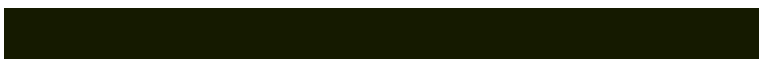
25.8019, 37.0146, 15.6827



9.0425, 9.8270, 9.0727



19.8742, 27.1556, 4.1941



0.6648, 0.8748, 0.1338

Inverse Universe

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



17.9427, 13.8637, 44.3805



26.4287, 18.0347, 78.4693



24.3956, 17.1902, 44.6825



8.1814, 8.3020, 10.6776



6.2239, 2.5443, 30.3001



0.2390, 0.1023, 0.9554

Previews

White Background



This preview shows how the XYZ color 33.1127, 40.7821, 16.0240 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 33.1127, 40.7821, 16.0240 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 33.1127, 40.7821, 16.0240

Background



This preview shows how black text looks on a background with the XYZ color 33.1127, 40.7821, 16.0240.



This preview shows how white text looks on a background with the XYZ color 33.1127, 40.7821,

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

33.1127, 40.7821, 16.0240

Protanopia

37.3106, 40.6492, 15.1121

Deuteranopia

41.4572, 40.5759, 16.4734



Tritanopia

40.0870, 40.7520, 50.0091

Trichromacy



Original Color

33.1127, 40.7821, 16.0240

Protanomaly

35.7616, 40.6967, 15.4216

Deuteranomaly

37.9466, 40.3906, 16.3858

Tritanomaly

36.9459, 40.6031, 34.3237

Monochromacy



Original Color

33.1127, 40.7821, 16.0240

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.0132, 38.0746, 29.2234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1127, 40.7821, 16.0240 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(163, 179, 91)` looks like.

```
.text, #text, p{  
    color:rgb(163, 179, 91)  
}
```

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(163, 179, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 179, 91) }
```

Border

The CSS property to change the border of an element to XYZ 33.1127, 40.7821, 16.0240 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(163, 179, 91) }
```


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

```
.border{ border-color:rgb(163, 179, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 179, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 179, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 179, 91);  
box-shadow:4px 4px 4px 4px rgb(163, 179,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1127, 40.7821, 16.0240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 179, 91) }
```

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

```
.background{ background-color: rgb(163,  
179, 91) }
```

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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