

Converting Colors

XYZ(33.2741, 35.7967, 14.4653)

Have a look what the booklet for
XYZ(33.2741, 35.7967, 14.4653)
contains.

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Color

**XYZ(33.3287, 35.8976,
14.4048)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A158
RGB	180, 161, 88
RGB Percent	71%, 63%, 35%
CMY	0.2941, 0.3686, 0.6549
CMYK	0.00, 0.11, 0.51, 0.29
HSL	48°, 38%, 53%
HSV	48°, 51%, 71%
XYZ	33.3287, 35.8976, 14.4048
YIQ	158.3590, 34.7570, -18.6750

Conversions

Conversions Part 2

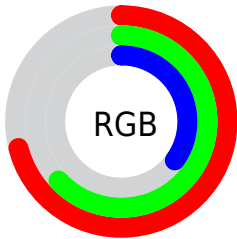
Format	Color
RYB	112, 180, 88
Decimal	11837784
CIELab	66.44, -2.77, 40.23
CIELCh	66, 40.327, 93.935
Yxy	35.8976, 0.3985, 0.4292
Android (android.graphics.Color)	4290027864 (0xFFB4A158)
YUV	158.3590, -34.6870, 18.9792
Hunter-Lab	59.9146, -5.5564, 27.6856

Details

The XYZ color **33.3287, 35.8976, 14.4048** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.5202, 15.8848, 45.3225**, and the grayscale version is **32.8049, 34.5133, 37.5850**.

A 20% lighter version of the original color is **64.2145, 69.0097, 34.7467**, and **14.3996, 15.6583, 4.1829** is the 20% darker color. If you saturate the color by 10%, you get **32.0337, 34.3571, 10.7379**, and if you desaturate by 10%, it is **34.8289, 37.5537, 19.0491**.

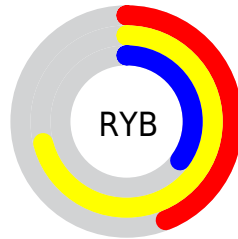
Distribution



Red (71%)

Green (63%)

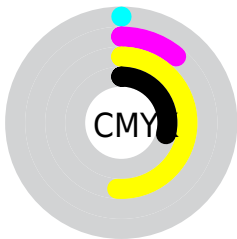
Blue (35%)



Red (44%)

Yellow (71%)

Blue (35%)

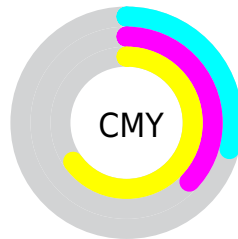


Cyan (0%)

Magenta (11%)

Yellow (51%)

Black (29%)



Cyan (29%)

Magenta (37%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3287, 35.8976, 14.4048 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 33.3287, 35.8976, 14.4048 by changing the saturation by 10% instead.

■ 33.3287, 35.8976,
14.4048

■ 33.3287, 35.8976,
14.4048

308.7671,
328.5128, 231.2501

■ 22.5388, 24.3551,
8.2608

■ 64.2396, 68.8740,
34.5330

■ 14.3722, 15.5973,
4.1721

■ 85.0914, 91.0767,
49.3542

■ 8.4634, 9.2396,
1.7202

■ 110.0278,
117.6016, 67.9050

■ 4.4471, 4.8978,
0.3745

■ 139.4142,
148.8330, 90.6038

■ 1.9581, 2.1874,
0.0000

■ 173.6160,
185.1555, 117.8691

■ 0.6103, 0.7131,
0.0000

212.9985,

■ 0.0000, 0.0000,

226.9534, 150.1196

0.0000

257.9271,
274.6110, 187.7738

■ 33.3287, 35.8976,
14.4048

■ 33.3287, 35.8976,
14.4048

■ 32.0337, 34.3571,
10.7379

■ 34.8289, 37.5537,
19.0491

■ 30.9273, 32.9213,
7.9734

■ 36.5441, 39.3257,
24.7339

■ 29.9944, 31.5853,
6.0292

■ 38.4869, 41.2201,
31.5197

■ 29.2162, 30.3413,
4.8069

■ 40.6677, 43.2414,
39.4615

■ 28.6200, 29.2986,
4.1468

■ 43.0964, 45.3938,
48.6109

■ 45.7825, 47.6813,
59.0160

■ 48.7348, 50.1076,
70.7226

■ 51.9615, 52.6764,
83.7741

■ 55.4707, 55.3911,
98.2118

Harmonies

Analogous

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



39.4824, 35.8976, 16.1714



33.3287, 35.8976, 14.4048



28.0371, 35.8976, 17.4723

Triad

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



33.3287, 35.8976, 14.4048



25.3610, 35.8976, 60.7546



45.6541, 35.8976, 55.6020

Complementary

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



33.3287, 35.8976, 14.4048



17.5202, 15.8848, 45.3225

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.



41.0237, 35.8976, 73.6945



33.3287, 35.8976, 14.4048



29.2658, 35.8976, 77.2336

Square

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



33.3287, 35.8976, 14.4048



23.7934, 35.8976, 41.4139



34.9229, 35.8976, 82.5558



47.0699, 35.8976, 36.8478

Rectangle

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



33.3287, 35.8976, 14.4048



25.5648, 35.8976, 22.5905



34.9229, 35.8976, 82.5558



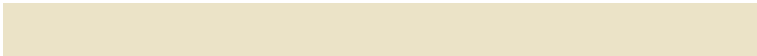
44.3971, 35.8976, 62.1245

Sweetspot

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



33.3296, 35.8993, 14.4055



72.0461, 76.8579, 65.3206



25.0155, 17.7643, 16.2796



15.3949, 16.4477, 13.4746



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.



33.3296, 35.8993, 14.4055



57.8826, 62.0459, 18.9349



31.3965, 40.2105, 15.3396



9.0451, 9.6028, 9.0293



20.0241, 20.5469, 2.9106



0.6677, 0.7217, 0.1041

Inverse Universe

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



17.5202, 15.8848, 45.3225



26.1433, 21.9092, 81.1456



18.6763, 13.8570, 44.8702



8.1794, 8.5051, 10.7169



6.2553, 3.3110, 30.4464



0.2381, 0.1867, 0.9717

Previews

White Background



This preview shows how the XYZ color 33.3287, 35.8976, 14.4048 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 33.3287, 35.8976, 14.4048 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 33.3287, 35.8976, 14.4048

Background



This preview shows how black text looks on a background with the XYZ color 33.3287, 35.8976, 14.4048.



This preview shows how white text looks on a background with the XYZ color 33.3287, 35.8976,

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

33.3287, 35.8976, 14.4048

Protanopia

33.0419, 36.0102, 14.4417

Deuteranopia

36.4270, 35.7197, 14.6475



Tritanopia

38.4226, 35.7016, 39.9880

Trichromacy



Original Color

33.3287, 35.8976, 14.4048

Protanomaly

33.2722, 36.1289, 14.4525

Deuteranomaly

35.3460, 35.9116, 14.5199

Tritanomaly

35.9324, 35.4106, 28.2336

Monochromacy



Original Color

33.3287, 35.8976, 14.4048

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.3577, 34.5967, 27.1627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3287, 35.8976, 14.4048 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(180, 161, 88)` looks like.

```
.text, #text, p{  
    color:rgb(180, 161, 88)  
}
```

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(180, 161, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 161, 88) }
```

Border

The CSS property to change the border of an element to XYZ 33.3287, 35.8976, 14.4048 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(180, 161, 88) }
```


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

```
.border{ border-color:rgb(180, 161, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 161, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 161, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 161, 88);  
box-shadow:4px 4px 4px 4px rgb(180, 161,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3287, 35.8976, 14.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 161, 88) }
```

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

```
.background{ background-color: rgb(180,  
161, 88) }
```

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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