

Converting Colors

XYZ(33.0013, 35.6594, 15.3948)

Have a look what the booklet for
XYZ(33.0013, 35.6594, 15.3948)
contains.

XYZ(33.0808, 35.7450, 15.5119)	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(33.0808, 35.7450,
15.5119)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A15D
RGB	178, 161, 93
RGB Percent	70%, 63%, 36%
CMY	0.3020, 0.3686, 0.6353
CMYK	0.00, 0.10, 0.48, 0.30
HSL	48°, 36%, 53%
HSV	48°, 48%, 70%
XYZ	33.0808, 35.7450, 15.5119
YIQ	158.3310, 31.9600, -17.5440

Conversions

Conversions Part 2

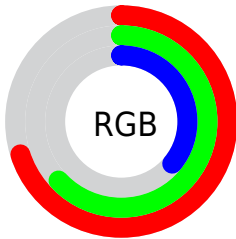
Format	Color
RYB	114, 178, 93
Decimal	11706717
CIELab	66.32, -3.14, 37.48
CIELCh	66, 37.615, 94.787
Yxy	35.7450, 0.3922, 0.4238
Android (android.graphics.Color)	4289896797 (0xFFB2A15D)
YUV	158.3310, -32.2082, 17.2497
Hunter-Lab	59.7871, -5.8617, 26.4681

Details

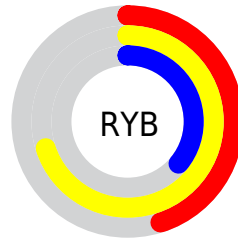
The XYZ color **33.0808, 35.7450, 15.5119** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.1260, 16.6930, 44.3863**, and the grayscale version is **32.7821, 34.4894, 37.5589**.

A 20% lighter version of the original color is **63.9277, 68.8182, 36.7020**, and **14.1989, 15.5447, 4.6349** is the 20% darker color. If you saturate the color by 10%, you get **31.7695, 34.2407, 11.6276**, and if you desaturate by 10%, it is **34.5951, 37.3615, 20.3700**.

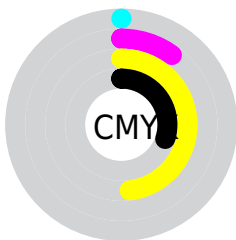
Distribution



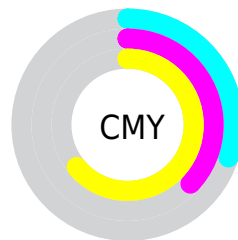
- Red (70%)
- Green (63%)
- Blue (36%)



- Red (45%)
- Yellow (70%)
- Blue (36%)



- Cyan (0%)
- Magenta (10%)
- Yellow (48%)
- Black (30%)



- Cyan (30%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0808, 35.7450, 15.5119 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 33.0808, 35.7450, 15.5119 by changing the saturation by 10% instead.

■ 33.0808, 35.7450,
15.5119

■ 33.0808, 35.7450,
15.5119

307.6722,
327.8446, 238.1906

■ 22.3479, 24.2373,
9.0288

■ 63.8555, 68.6383,
36.5037

■ 14.2308, 15.5098,
4.6629

■ 84.6280, 90.7927,
51.8494

■ 8.3641, 9.1779,
1.9956

■ 109.4777,
117.2648, 70.9865

■ 4.3826, 4.8574,
0.5526

■ 138.7700,
148.4390, 94.3335

■ 1.9208, 2.1638,
0.0000

172.8702,
184.6997, 122.3088

■ 0.5889, 0.7002,
0.0000

212.1438,

■ 0.0000, 0.0000,

226.4313, 155.3311

0.0000

256.9560,
274.0181, 193.8188

■ 33.0808, 35.7450,
15.5119

■ 33.0808, 35.7450,
15.5119

■ 31.7695, 34.2407,
11.6276

■ 34.5951, 37.3615,
20.3700

■ 30.6455, 32.8381,
8.6469

■ 36.3215, 39.0901,
26.2613

■ 29.6950, 31.5327,
6.4935

■ 38.2719, 40.9370,
33.2429

■ 28.9007, 30.3175,
5.0777

■ 40.4562, 42.9066,
41.3673

■ 28.2359, 29.1814,
4.2593

■ 42.8840, 45.0027,
50.6833

■ 28.0940, 28.9328,
4.1039

■ 45.5640, 47.2292,
61.2371

■ 48.5048, 49.5897,
73.0724

■ 51.7143, 52.0876,
86.2306

■ 55.2002, 54.7260,
100.7514

Harmonies

Analogous

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



38.7878, 35.7450, 17.1013



33.0808, 35.7450, 15.5119



28.1757, 35.7450, 18.6376

Triad

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



33.0808, 35.7450, 15.5119



25.8514, 35.7450, 59.3775



44.7168, 35.7450, 53.6449

Complementary

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



33.0808, 35.7450, 15.5119



18.1260, 16.6930, 44.3863

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.



40.5190, 35.7450, 70.2643



33.0808, 35.7450, 15.5119



29.5769, 35.7450, 74.1631

Square

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



33.0808, 35.7450, 15.5119



24.3053, 35.7450, 41.5602



34.8843, 35.7450, 78.6141



45.9183, 35.7450, 36.3945

Rectangle

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



33.0808, 35.7450, 15.5119



25.8898, 35.7450, 23.6660



34.8843, 35.7450, 78.6141



43.5883, 35.7450, 59.6271

Sweetspot

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



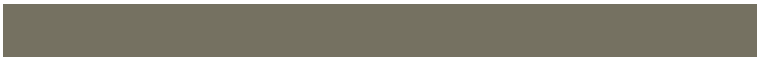
33.0817, 35.7467, 15.5126



70.7445, 75.4644, 65.2136



25.0892, 18.4199, 16.9854



15.4910, 16.5527, 13.7757



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.



33.0817, 35.7467, 15.5126



57.5604, 62.0315, 20.9407



30.9391, 39.3550, 16.3220



9.0499, 9.6122, 9.0309



20.1465, 20.7916, 2.9513



0.6706, 0.7277, 0.1051

Inverse Universe

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



18.1260, 16.6930, 44.3863



27.2942, 23.5063, 79.4798



19.4899, 14.9302, 43.9741



8.1750, 8.4963, 10.7154



6.2292, 3.2587, 30.4377



0.2363, 0.1831, 0.9711

Previews

White Background



This preview shows how the XYZ color 33.0808, 35.7450, 15.5119 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 33.0808, 35.7450, 15.5119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

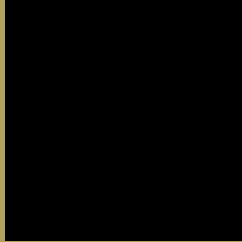
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0808, 35.7450, 15.5119

Background



This preview shows how black text looks on a background with the XYZ color 33.0808, 35.7450, 15.5119.



This preview shows how white text looks on a background with the XYZ color 33.0808, 35.7450,

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

33.0808, 35.7450, 15.5119

Protanopia

32.8521, 35.6272, 15.5012

Deuteranopia

36.3861, 35.6732, 15.7943



Tritanopia

38.0997, 35.7771, 40.0196

Trichromacy



Original Color

33.0808, 35.7450, 15.5119

Protanomaly

32.8521, 35.6272, 15.5012

Deuteranomaly

35.0636, 35.7409, 15.6403

Tritanomaly

35.7673, 35.5570, 29.0228

Monochromacy



Original Color

33.0808, 35.7450, 15.5119

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.2183, 34.5168, 27.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0808, 35.7450, 15.5119 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(178, 161, 93)` looks like.

```
.text, #text, p{  
    color:rgb(178, 161, 93)  
}
```

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(178, 161, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 161, 93) }
```

Border

The CSS property to change the border of an element to XYZ 33.0808, 35.7450, 15.5119 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(178, 161, 93) }
```


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

```
.border{ border-color:rgb(178, 161, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 161, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 161, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 161, 93);  
box-shadow:4px 4px 4px 4px rgb(178, 161,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0808, 35.7450, 15.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 161, 93) }
```

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

```
.background{ background-color: rgb(178,  
161, 93) }
```

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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