

Converting Colors

XYZ(32.2257, 35.8459, 15.7709)

Have a look what the booklet for
XYZ(32.2257, 35.8459, 15.7709)
contains.

XYZ(32.1308, 35.7732, 15.8011)	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(32.1308, 35.7732,
15.8011)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA35E
RGB	172, 163, 94
RGB Percent	67%, 64%, 37%
CMY	0.3255, 0.3608, 0.6314
CMYK	0.00, 0.05, 0.45, 0.33
HSL	53°, 32%, 52%
HSV	53°, 45%, 67%
XYZ	32.1308, 35.7732, 15.8011
YIQ	157.8250, 27.5130, -19.5510

Conversions

Conversions Part 2

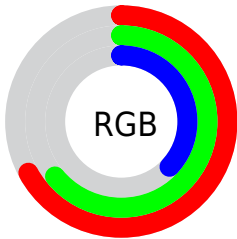
Format	Color
RYB	104, 172, 94
Decimal	11314014
CIELab	66.35, -6.63, 36.88
CIELCh	66, 37.467, 100.196
Yxy	35.7732, 0.3839, 0.4274
Android (android.graphics.Color)	4289504094 (0xFFACA35E)
YUV	157.8250, -31.4657, 12.4315
Hunter-Lab	59.8107, -8.7771, 26.2040

Details

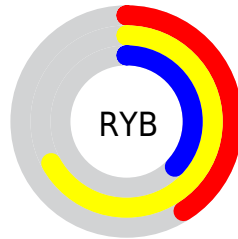
The XYZ color **32.1308, 35.7732, 15.8011** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.9126, 15.0582, 41.0447**, and the grayscale version is **32.5502, 34.2453, 37.2931**.

A 20% lighter version of the original color is **62.5728, 68.8761, 37.1906**, and **13.7390, 15.6294, 4.7753** is the 20% darker color. If you saturate the color by 10%, you get **31.0943, 34.8008, 12.0629**, and if you desaturate by 10%, it is **33.3466, 36.8288, 20.4484**.

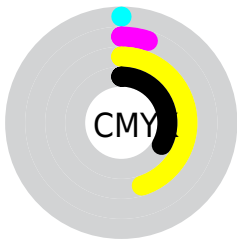
Distribution



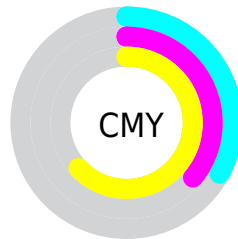
- Red (67%)
- Green (64%)
- Blue (37%)



- Red (41%)
- Yellow (67%)
- Blue (37%)



- Cyan (0%)
- Magenta (5%)
- Yellow (45%)
- Black (33%)



- Cyan (33%)
- Magenta (36%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1308, 35.7732, 15.8011 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 32.1308, 35.7732, 15.8011 by changing the saturation by 10% instead.

■ 32.1308, 35.7732,
15.8011

■ 32.1308, 35.7732,
15.8011

303.4494,
327.9682, 239.9707

■ 21.6175, 24.2591,
9.2307

■ 62.3799, 68.6819,
37.0145

■ 13.6911, 15.5259,
4.7931

■ 82.8464, 90.8452,
52.4946

■ 7.9864, 9.1893,
2.0698

■ 107.3612,
117.3271, 71.7817

■ 4.1380, 4.8649,
0.5977

■ 136.2899,
148.5119, 95.2943

■ 1.7805, 2.1682,
0.0000

169.9977,
184.7840, 123.4510

■ 0.5059, 0.7026,
0.0000

208.8500,

■ 0.0000, 0.0000,

226.5278, 156.6702

0.0000

253.2121,
274.1277, 195.3706

■ 32.1308, 35.7732,
15.8011

■ 32.1308, 35.7732,
15.8011

■ 31.0943, 34.8008,
12.0629

■ 33.3466, 36.8288,
20.4484

■ 30.2229, 33.9019,
9.1708

■ 34.7495, 37.9668,
26.0579

■ 29.5044, 33.0729,
7.0571


■ 36.3502, 39.1929,
32.6811


■ 28.9239, 32.3078,
5.6428


■ 38.1577, 40.5106,
40.3655


■ 28.4625, 31.5991,
4.8289


■ 40.1803, 41.9234,
49.1552

 28.2681, 31.2804,
4.5478

 42.4261, 43.4345,
59.0922

 44.9025, 45.0469,
70.2159

 47.6168, 46.7636,
82.5642

 50.5759, 48.5873,
96.1730

Harmonies

Analogous

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



37.7815, 35.7732, 16.5451



32.1308, 35.7732, 15.8011



27.5147, 35.7732, 19.8252

Triad

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



32.1308, 35.7732, 15.8011



26.4220, 35.7732, 62.4354



45.1714, 35.7732, 50.3609

Complementary

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



32.1308, 35.7732, 15.8011



16.9126, 15.0582, 41.0447

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.



41.4349, 35.7732, 67.5729



32.1308, 35.7732, 15.8011



30.4822, 35.7732, 75.7642

Square

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



32.1308, 35.7732, 15.8011



24.4668, 35.7732, 44.6684



35.9431, 35.7732, 77.8665



45.7379, 35.7732, 33.7435

Rectangle

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



32.1308, 35.7732, 15.8011



25.4878, 35.7732, 25.5462



35.9431, 35.7732, 77.8665



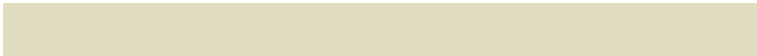
44.2265, 35.7732, 56.3766

Sweetspot

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



32.1317, 35.7749, 15.8018



66.2861, 71.3560, 60.7222



23.4693, 17.7577, 15.0493



14.2649, 15.4024, 12.6063



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.1317, 35.7749, 15.8018



56.4758, 63.1987, 22.1130



27.9455, 36.0728, 16.0800



8.5826, 9.1701, 8.5310



21.0618, 23.3291, 3.3929



0.6077, 0.6927, 0.1017

Inverse Universe

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



16.9126, 15.0582, 41.0447



25.5126, 21.0693, 73.5279



19.7471, 15.2620, 40.9346



7.6505, 7.9005, 10.0744



5.7473, 2.6284, 29.2489



0.1829, 0.1191, 0.8213

Previews

White Background



This preview shows how the XYZ color 32.1308, 35.7732, 15.8011 looks on a white background.

Color Contrast Check

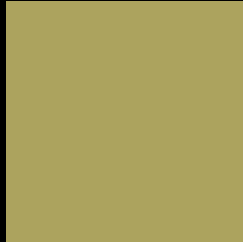
Large Text (above 18pt) WCAG AA × Fail

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 32.1308, 35.7732, 15.8011 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

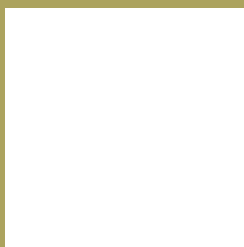
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1308, 35.7732, 15.8011

Background



This preview shows how black text looks on a background with the XYZ color 32.1308, 35.7732, 15.8011.



This preview shows how white text looks on a background with the XYZ color 32.1308, 35.7732,

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

32.1308, 35.7732, 15.8011

Protanopia

32.8521, 35.6272, 15.5012

Deuteranopia

36.4319, 35.6915, 16.0353



Tritanopia

37.3530, 35.6045, 41.4629

Trichromacy



Original Color

32.1308, 35.7732, 15.8011

Protanomaly

32.5753, 35.7449, 15.5385

Deuteranomaly

34.6160, 35.5050, 15.8552

Tritanomaly

34.9221, 35.3545, 29.7945

Monochromacy



Original Color

32.1308, 35.7732, 15.8011

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0482, 34.6774, 27.9260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1308, 35.7732, 15.8011 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(172, 163, 94)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 94)  
}
```

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(172, 163, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 94) }
```

Border

The CSS property to change the border of an element to XYZ 32.1308, 35.7732, 15.8011 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(172, 163, 94) }
```


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

```
.border{ border-color:rgb(172, 163, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 94);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1308, 35.7732, 15.8011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 94) }
```

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

```
.background{ background-color: rgb(172,  
163, 94) }
```

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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