

Converting Colors

XYZ(32.2229, 39.6150, 11.9690)

Have a look what the booklet for
XYZ(32.2229, 39.6150, 11.9690)
contains.

XYZ(32.1797, 39.5049, 11.8904)	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(32.1797, 39.5049,
11.8904)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B047
RGB	165, 176, 71
RGB Percent	65%, 69%, 28%
CMY	0.3529, 0.3098, 0.7216
CMYK	0.06, 0.00, 0.60, 0.31
HSL	66°, 43%, 48%
HSV	66°, 60%, 69%
XYZ	32.1797, 39.5049, 11.8904
YIQ	160.7410, 27.1490, -34.9870

Conversions

Conversions Part 2

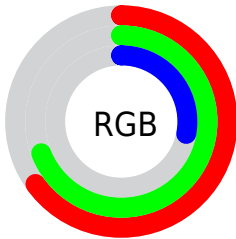
Format	Color
RYB	71, 176, 82
Decimal	10858567
CIELab	69.12, -18.39, 51.15
CIELCh	69, 54.360, 109.775
Yxy	39.5049, 0.3850, 0.4727
Android (android.graphics.Color)	4289048647 (0xFFA5B047)
YUV	160.7410, -44.2423, 3.7351
Hunter-Lab	62.8529, -18.6034, 32.7807

Details

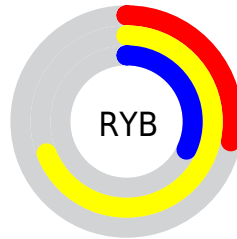
The XYZ color **32.1797, 39.5049, 11.8904** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.5707, 9.4358, 42.1827**, and the grayscale version is **33.9469, 35.7148, 38.8934**.

A 20% lighter version of the original color is **62.5560, 74.6729, 29.8551**, and **13.7173, 17.7620, 3.1209** is the 20% darker color. If you saturate the color by 10%, you get **31.3141, 39.1161, 9.3167**, and if you desaturate by 10%, it is **33.2163, 39.9656, 15.3276**.

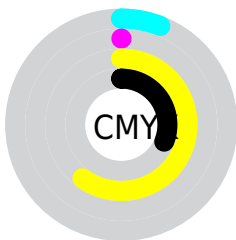
Distribution



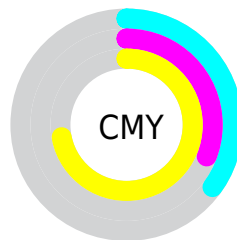
- Red (65%)
- Green (69%)
- Blue (28%)



- Red (28%)
- Yellow (69%)
- Blue (32%)



- Cyan (6%)
- Magenta (0%)
- Yellow (60%)
- Black (31%)



- Cyan (35%)
- Magenta (31%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1797, 39.5049, 11.8904 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 32.1797, 39.5049, 11.8904 by changing the saturation by 10% instead.

■ 32.1797, 39.5049,
11.8904

■ 32.1797, 39.5049,
11.8904

303.6678,
344.0324, 214.6305

■ 21.6550, 27.1527,
6.5475

■ 62.4560, 74.4090,
29.9567

■ 13.7188, 17.6880,
3.1066

■ 82.9383, 97.7297,
43.5172

■ 8.0057, 10.7262,
1.1493

■ 107.4705,
125.4754, 60.6540

■ 4.1505, 5.8830,
0.0000

■ 136.4180,
158.0305, 81.7855

■ 1.7876, 2.7741,
0.0000

■ 170.1461,
195.7793, 107.3304

■ 0.5102, 1.0150,
0.0000

209.0202,

■ 0.0000, 0.0000,

239.1063, 137.7071

0.0000

253.4057,
288.3959, 173.3343

■ 32.1797, 39.5049,
11.8904

■ 32.1797, 39.5049,
11.8904

■ 31.3141, 39.1161,
9.3167

■ 33.2163, 39.9656,
15.3276

■ 30.6022, 38.7880,
7.5272

■ 34.4339, 40.4979,
19.6934

■ 30.0277, 38.5154,
6.4326

■ 35.8451, 41.1084,
25.0495

■ 29.5556, 38.2845,
5.8492

■ 37.4605, 41.8011,
31.4516

■ 29.5400, 38.2768,
5.8312

■ 39.2900, 42.5801,
38.9513

■ 41.3426, 43.4490,
47.5968

■ 43.6270, 44.4113,
57.4334

■ 46.1513, 45.4703,
68.5038

■ 48.9234, 46.6290,
80.8489

Harmonies

Analogous

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



40.5896, 39.5049, 11.0376



32.1797, 39.5049, 11.8904



26.1921, 39.5049, 18.9407

Triad

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



32.1797, 39.5049, 11.8904



27.7681, 39.5049, 90.8055



56.4852, 39.5049, 52.0695

Complementary

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



32.1797, 39.5049, 11.8904



13.5707, 9.4358, 42.1827

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.



51.7877, 39.5049, 81.8563



32.1797, 39.5049, 11.8904



34.6627, 39.5049, 109.2875

Square

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



32.1797, 39.5049, 11.8904



23.9302, 39.5049, 61.2978



43.4829, 39.5049, 105.4970



55.5462, 39.5049, 28.7840

Rectangle

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



32.1797, 39.5049, 11.8904



23.9634, 39.5049, 28.5150



43.4829, 39.5049, 105.4970



55.4880, 39.5049, 61.7455

Sweetspot

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



32.1806, 39.5067, 11.8912



68.3600, 75.9897, 58.7489



22.0229, 15.6455, 7.8209



14.6221, 16.3859, 11.9549



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.1806, 39.5067, 11.8912



56.2945, 70.7129, 15.5713



23.4742, 35.0184, 11.4838



9.1076, 9.8605, 9.0758



21.7020, 28.0978, 4.2796



0.7078, 0.8970, 0.1358

Inverse Universe

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



13.5707, 9.4358, 42.1827



19.5040, 11.1563, 75.6207



19.9225, 12.7103, 42.4799



8.1219, 8.2714, 10.6748



5.9641, 2.4104, 30.2879



0.2144, 0.0896, 0.9542

Previews

White Background



This preview shows how the XYZ color 32.1797, 39.5049, 11.8904 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 32.1797, 39.5049, 11.8904 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 32.1797, 39.5049, 11.8904

Background



This preview shows how black text looks on a background with the XYZ color 32.1797, 39.5049, 11.8904.



This preview shows how white text looks on a background with the XYZ color 32.1797, 39.5049,

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

32.1797, 39.5049, 11.8904

Protanopia

36.0012, 39.4970, 11.3564

Deuteranopia

40.1698, 39.2187, 12.2903



Tritanopia

39.3955, 39.3547, 47.6393

Trichromacy



Original Color

32.1797, 39.5049, 11.8904

Protanomaly

34.6804, 39.6505, 11.6198

Deuteranomaly

36.8646, 39.1043, 12.0835

Tritanomaly

35.8614, 39.0107, 30.0658

Monochromacy



Original Color

32.1797, 39.5049, 11.8904

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.4328, 36.5123, 25.7603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1797, 39.5049, 11.8904 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(165, 176, 71)` looks like.

```
.text, #text, p{  
    color:rgb(165, 176, 71)  
}
```

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(165, 176, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 176, 71) }
```

Border

The CSS property to change the border of an element to XYZ 32.1797, 39.5049, 11.8904 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(165, 176, 71) }
```


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

```
.border{ border-color:rgb(165, 176, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 176, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 176, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 176, 71);  
box-shadow:4px 4px 4px 4px rgb(165, 176,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1797, 39.5049, 11.8904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 176, 71) }
```

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

```
.background{ background-color: rgb(165,  
176, 71) }
```

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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