

Converting Colors

XYZ(32.2300, 36.4039, 11.1245)

Have a look what the booklet for
XYZ(32.2300, 36.4039, 11.1245)
contains.

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Color

**XYZ(32.2398, 36.4664,
11.1339)**

Conversions

Conversions Part 1

Format	Color
Hex	AFA546
RGB	175, 165, 70
RGB Percent	69%, 65%, 27%
CMY	0.3137, 0.3529, 0.7255
CMYK	0.00, 0.06, 0.60, 0.31
HSL	54°, 43%, 48%
HSV	54°, 60%, 69%
XYZ	32.2398, 36.4664, 11.1339
YIQ	157.1600, 36.4550, -27.4250

Conversions

Conversions Part 2

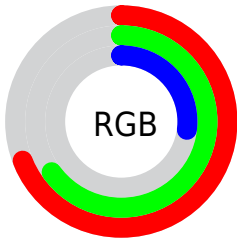
Format	Color
RYB	81, 175, 70
Decimal	11511110
CIELab	66.87, -8.52, 49.36
CIELCh	67, 50.092, 99.789
Yxy	36.4664, 0.4038, 0.4567
Android (android.graphics.Color)	4289701190 (0xFFAFA546)
YUV	157.1600, -42.9699, 15.6457
Hunter-Lab	60.3874, -10.3799, 31.3396

Details

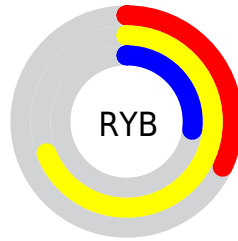
The XYZ color **32.2398, 36.4664, 11.1339** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.1323, 10.1343, 41.8212**, and the grayscale version is **32.2966, 33.9786, 37.0027**.

A 20% lighter version of the original color is **62.7103, 69.9152, 28.6021**, and **13.7371, 15.8378, 2.7849** is the 20% darker color. If you saturate the color by 10%, you get **31.4678, 35.6813, 8.5372**, and if you desaturate by 10%, it is **33.1785, 37.3272, 14.5811**.

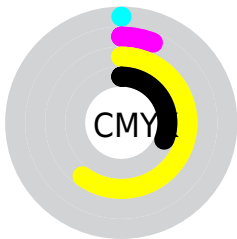
Distribution



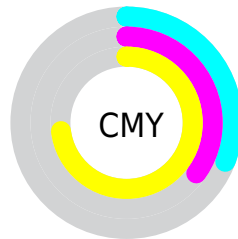
- Red (69%)
- Green (65%)
- Blue (27%)



- Red (32%)
- Yellow (69%)
- Blue (27%)



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



- Cyan (31%)
- Magenta (35%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2398, 36.4664, 11.1339 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 32.2398, 36.4664, 11.1339 by changing the saturation by 10% instead.

■ 32.2398, 36.4664,
11.1339

■ 32.2398, 36.4664,
11.1339

303.9361,
330.9945, 209.3542

■ 21.7012, 24.7946,
6.0417

■ 62.5495, 69.7513,
28.5479

■ 13.7529, 15.9241,
2.8012

■ 83.0513, 92.1333,
41.7068

■ 8.0295, 9.4705,
0.9941

■ 107.6048,
118.8541, 58.3916

■ 4.1658, 5.0493,
0.0000

■ 136.5754,
150.2981, 79.0210

■ 1.7964, 2.2762,
0.0000

■ 170.3285,
186.8498, 104.0134

■ 0.5155, 0.7611,
0.0000

209.2294,

■ 0.0000, 0.0000,

228.8935, 133.7873

0.0000

253.6435,
276.8136, 168.7614

■ 32.2398, 36.4664,
11.1339

■ 32.2398, 36.4664,
11.1339

■ 31.4678, 35.6813,
8.5372

■ 33.1785, 37.3272,
14.5811

■ 30.8453, 34.9609,
6.7128

■ 34.2939, 38.2635,
18.9435

■ 30.3563, 34.3001,
5.5718

■ 35.5983, 39.2818,
24.2821

■ 29.9643, 33.6842,
4.9225

■ 37.1024, 40.3863,
30.6519

■ 29.9642, 33.6841,
4.9224

■ 38.8156, 41.5808,
38.1039

■ 40.7472, 42.8690,
46.6858

■ 42.9055, 44.2544,
56.4423

■ 45.2987, 45.7401,
67.4157

■ 47.9344, 47.3292,
79.6463

Harmonies

Analogous

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



39.9457, 36.4664, 11.9964



32.2398, 36.4664, 11.1339



26.1413, 36.4664, 15.4855

Triad

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



32.2398, 36.4664, 11.1339



24.6200, 36.4664, 72.8739



50.2231, 36.4664, 55.9505

Complementary

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



32.2398, 36.4664, 11.1339



13.1323, 10.1343, 41.8212

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.



44.8540, 36.4664, 81.2137



32.2398, 36.4664, 11.1339



29.8629, 36.4664, 93.1995

Square

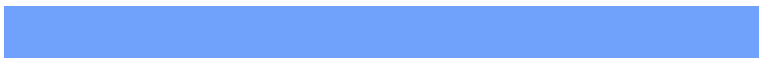
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.2398, 36.4664, 11.1339



22.1856, 36.4664, 47.2371



37.1988, 36.4664, 96.7102



51.1060, 36.4664, 33.0207

Rectangle

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



32.2398, 36.4664, 11.1339



23.5249, 36.4664, 22.1818



37.1988, 36.4664, 96.7102



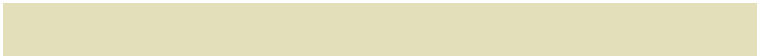
48.8495, 36.4664, 64.6430

Sweetspot

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



32.2407, 36.4681, 11.1346



66.9403, 72.6803, 57.0101



21.3361, 14.0813, 9.2806



14.6944, 16.0227, 11.8810



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.



32.2407, 36.4681, 11.1346



55.9679, 63.4730, 14.0847



26.1085, 36.0886, 11.3846



8.5965, 9.1979, 8.5357



21.4829, 24.1713, 3.5333



0.6161, 0.7093, 0.1044

Inverse Universe

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



13.1323, 10.1343, 41.8212



18.7464, 12.2246, 74.0084



16.6105, 10.9207, 41.7896



7.6380, 7.8753, 10.0702



5.7027, 2.5393, 29.2341



0.1779, 0.1091, 0.8197

Previews

White Background



This preview shows how the XYZ color 32.2398, 36.4664, 11.1339 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 32.2398, 36.4664, 11.1339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

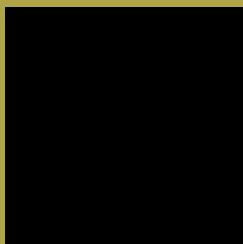
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2398, 36.4664, 11.1339

Background



This preview shows how black text looks on a background with the XYZ color 32.2398, 36.4664, 11.1339.



This preview shows how white text looks on a background with the XYZ color 32.2398, 36.4664,

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

32.2398, 36.4664, 11.1339

Protanopia

33.2274, 36.4478, 10.9141

Deuteranopia

37.0113, 36.3412, 11.3672



Tritanopia

38.4636, 36.4231, 41.5623

Trichromacy



Original Color

32.2398, 36.4664, 11.1339

Protanomaly

32.9400, 36.5643, 10.9517

Deuteranomaly

35.3061, 36.4706, 11.3096

Tritanomaly

35.6191, 36.2860, 26.9564

Monochromacy



Original Color

32.2398, 36.4664, 11.1339

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5823, 34.5148, 24.3995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2398, 36.4664, 11.1339 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(175, 165, 70)` looks like.

```
.text, #text, p{  
    color:rgb(175, 165, 70)  
}
```

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(175, 165, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 165, 70) }
```

Border

The CSS property to change the border of an element to XYZ 32.2398, 36.4664, 11.1339 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(175, 165, 70) }
```


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

```
.border{ border-color:rgb(175, 165, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 165, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 165, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 165, 70);  
box-shadow:4px 4px 4px 4px rgb(175, 165,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2398, 36.4664, 11.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 165, 70) }
```

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

```
.background{ background-color: rgb(175,  
165, 70) }
```

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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