

Converting Colors

XYZ(32.1893, 35.4039, 28.3269)

Have a look what the booklet for
XYZ(32.1893, 35.4039, 28.3269)
contains.

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Color

**XYZ(32.2391, 35.5490,
28.4550)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A388
RGB	161, 163, 136
RGB Percent	63%, 64%, 53%
CMY	0.3686, 0.3608, 0.4667
CMYK	0.01, 0.00, 0.17, 0.36
HSL	64°, 13%, 59%
HSV	64°, 17%, 64%
XYZ	32.2391, 35.5490, 28.4550
YIQ	159.3240, 7.4750, -8.8210

Conversions

Conversions Part 2

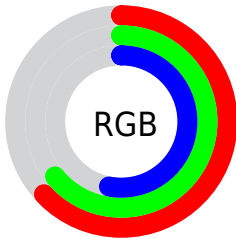
Format	Color
RYB	136, 163, 138
Decimal	10593160
CIELab	66.17, -5.50, 13.81
CIElCh	66, 14.865, 111.708
Yxy	35.5490, 0.3350, 0.3694
Android (android.graphics.Color)	4288783240 (0xFFA1A388)
YUV	159.3240, -11.4987, 1.4699
Hunter-Lab	59.6230, -7.8224, 13.4400

Details

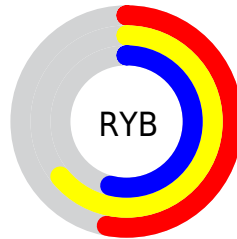
The XYZ color **32.2391, 35.5490, 28.4550** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.8975, 25.6568, 38.2395**, and the grayscale version is **33.1524, 34.8789, 37.9831**.

A 20% lighter version of the original color is **62.5756, 68.4159, 58.0516**, and **13.6708, 15.2920, 11.0352** is the 20% darker color. If you saturate the color by 10%, you get **30.9255, 34.9967, 22.7994**, and if you desaturate by 10%, it is **33.7331, 36.1761, 35.0403**.

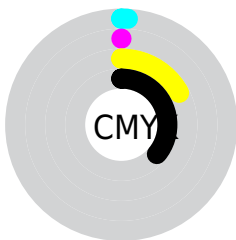
Distribution



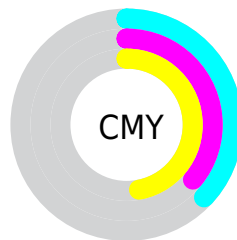
- Red (63%)
- Green (64%)
- Blue (53%)



- Red (53%)
- Yellow (64%)
- Blue (54%)



- Cyan (1%)
- Magenta (0%)
- Yellow (17%)
- Black (36%)



- Cyan (37%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2391, 35.5490, 28.4550 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 32.2391, 35.5490, 28.4550 by changing the saturation by 10% instead.

■ 32.2391, 35.5490,
28.4550

■ 32.2391, 35.5490,
28.4550

303.9330,
326.9850, 308.6148

■ 21.7006, 24.0861,
18.4269

■ 62.5484, 68.3354,
58.2419

■ 13.7525, 15.3975,
11.0843

■ 83.0499, 90.4276,
78.8377

■ 8.0292, 9.0988,
6.0087

■ 107.6032,
116.8318, 103.7933

■ 4.1656, 4.8057,
2.7815

136.5736,
147.9323, 133.5270

■ 1.7963, 2.1337,
0.9842

170.3264,
184.1134, 168.4575

■ 0.5154, 0.6835,
0.0000

209.2270,

■ 0.0000, 0.0000,

225.7597, 209.0032

0.0000

253.6407,
273.2554, 255.5828

■ 32.2391, 35.5490,
28.4550

■ 32.2391, 35.5490,
28.4550

■ 30.9255, 34.9967,
22.7994

■ 33.7331, 36.1761,
35.0403

■ 29.7817, 34.5114,
18.0293

■ 35.4123, 36.8763,
42.5920

■ 28.7999, 34.0913,
14.1006

■ 37.2844, 37.6540,
51.1479

■ 27.9709, 33.7325,
10.9644

■ 39.3563, 38.5119,
60.7428

■ 27.2845, 33.4310,
8.5666

■ 41.6341, 39.4524,
71.4101

■ 26.7290, 33.1821,
6.8466

■ 44.1240, 40.4780,
83.1816

■ 26.2913, 32.9806,
5.7341

■ 46.8317, 41.5910,
96.0877

■ 25.9519, 32.8187,
5.1276

■ 47.8716, 42.0372,
100.1986

■ 25.8441, 32.7667,
4.9625

■ 48.1356, 42.1733,
100.2110

Harmonies

Analogous

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



34.4055, 35.5490, 27.8592



32.2391, 35.5490, 28.4550



30.5582, 35.5490, 31.6373

Triad

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



32.2391, 35.5490, 28.4550



31.2201, 35.5490, 49.0781



38.1751, 35.5490, 40.4907

Complementary

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



32.2391, 35.5490, 28.4550



25.8975, 25.6568, 38.2395

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.



37.2383, 35.5490, 46.7580



32.2391, 35.5490, 28.4550



33.1784, 35.5490, 52.0578

Square

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



32.2391, 35.5490, 28.4550



29.9880, 35.5490, 43.3902



35.3863, 35.5490, 51.1655



37.8968, 35.5490, 34.3732

Rectangle

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



32.2391, 35.5490, 28.4550



29.9080, 35.5490, 35.0074



35.3863, 35.5490, 51.1655



37.9905, 35.5490, 42.6581

Sweetspot

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



32.2400, 35.5506, 28.4558



60.8319, 64.9613, 64.6326



28.6091, 27.6846, 27.1288



13.6194, 14.5720, 14.3232



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



32.2400, 35.5506, 28.4558



56.8036, 63.2727, 46.9128



29.7009, 34.2416, 28.3369



7.5973, 8.2104, 7.5644



20.1012, 25.4730, 3.8573



0.4367, 0.5426, 0.0817

Inverse Universe

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



25.8975, 25.6568, 38.2395



43.2015, 42.0538, 67.8963



28.2343, 26.8615, 38.3489



6.7469, 6.8839, 8.8762



5.2730, 2.1248, 27.0620



0.1245, 0.0517, 0.5693

Previews

White Background



This preview shows how the XYZ color 32.2391, 35.5490, 28.4550 looks on a white background.

Color Contrast Check

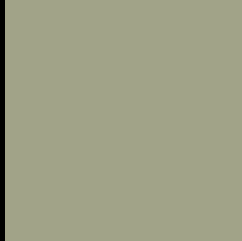
Large Text (above 18pt) WCAG AA × Fail

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 32.2391, 35.5490, 28.4550 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

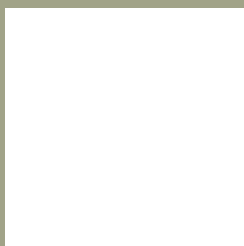
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2391, 35.5490, 28.4550

Background



This preview shows how black text looks on a background with the XYZ color 32.2391, 35.5490, 28.4550.



This preview shows how white text looks on a background with the XYZ color 32.2391, 35.5490,

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

32.2391, 35.5490, 28.4550

Protanopia

33.5215, 35.4369, 27.9949

Deuteranopia

36.0760, 35.4680, 28.9894



Tritanopia

35.3034, 35.5010, 43.5198

Trichromacy



Original Color

32.2391, 35.5490, 28.4550

Protanomaly

33.0544, 35.4545, 28.0229

Deuteranomaly

34.6467, 35.4900, 28.6911

Tritanomaly

34.0522, 35.5027, 37.4057

Monochromacy



Original Color

32.2391, 35.5490, 28.4550

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6539, 34.8496, 34.2837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2391, 35.5490, 28.4550 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(161, 163, 136)` looks like.

```
.text, #text, p{  
    color:rgb(161, 163, 136)  
}
```

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(161, 163, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 163, 136) }
```

Border

The CSS property to change the border of an element to XYZ 32.2391, 35.5490, 28.4550 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(161, 163, 136) }
```


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

```
.border{ border-color:rgb(161, 163, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 163, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 163, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 163, 136);  
box-shadow:4px 4px 4px 4px rgb(161, 163,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2391, 35.5490, 28.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 163, 136) }
```

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

```
.background{ background-color: rgb(161,  
163, 136) }
```

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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