

Converting Colors

XYZ(30.5509, 35.1443, 15.6342)

Have a look what the booklet for
XYZ(30.5509, 35.1443, 15.6342)
contains.

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Color

**XYZ(30.5611, 35.2337,
15.5460)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A45D
RGB	164, 164, 93
RGB Percent	64%, 64%, 36%
CMY	0.3569, 0.3568, 0.6353
CMYK	0.00, 0.00, 0.43, 0.36
HSL	60°, 28%, 50%
HSV	60°, 43%, 64%
XYZ	30.5611, 35.2337, 15.5460
YIQ	155.9060, 22.7910, -22.0810

Conversions

Conversions Part 2

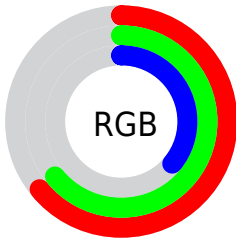
Format	Color
RYB	93, 164, 93
Decimal	10789981
CIELab	65.93, -10.61, 36.73
CIElCh	66, 38.228, 106.107
Yxy	35.2337, 0.3757, 0.4332
Android (android.graphics.Color)	4288980061 (0xFFA4A45D)
YUV	155.9060, -31.0127, 7.0984
Hunter-Lab	59.3580, -11.9738, 26.0224

Details

The XYZ color **30.5611, 35.2337, 15.5460** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.1306, 12.8371, 36.8043**, and the grayscale version is **31.6856, 33.3357, 36.3026**.

A 20% lighter version of the original color is **59.9576, 67.9230, 36.7384**, and **12.8043, 15.1497, 4.6322** is the 20% darker color. If you saturate the color by 10%, you get **29.9114, 34.9751, 12.1220**, and if you desaturate by 10%, it is **31.3683, 35.5579, 19.7920**.

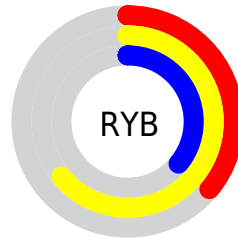
Distribution



Red (64%)

Green (64%)

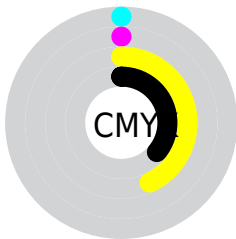
Blue (36%)



Red (36%)

Yellow (64%)

Blue (36%)

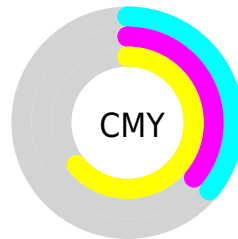


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5611, 35.2337, 15.5460 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 30.5611, 35.2337, 15.5460 by changing the saturation by 10% instead.

■ 30.5611, 35.2337,
15.5460

■ 30.5611, 35.2337,
15.5460

296.3743,
325.5987, 238.4012

■ 20.4151, 23.8430,
9.0526

■ 59.9290, 67.8476,
36.5640

■ 12.8071, 15.2172,
4.6782

■ 79.8815, 89.8396,
51.9256

■ 7.3719, 8.9719,
2.0043

■ 103.8335,
116.1342, 71.0805

■ 3.7442, 4.7229,
0.5579

■ 132.1505,
147.1156, 94.4470

■ 1.5584, 2.0856,
0.0000

165.1977,
183.1684, 122.4438

■ 0.3651, 0.6565,
0.0000

203.3405,

■ 0.0000, 0.0000,

224.6769, 155.4894

0.0000

246.9442,
272.0255, 194.0024

■ 30.5611, 35.2337,
15.5460

■ 30.5611, 35.2337,
15.5460

■ 29.9114, 34.9751,
12.1220

■ 31.3683, 35.5579,
19.7920

■ 29.4066, 34.7731,
9.4649

■ 32.3397, 35.9464,
24.9060

■ 29.0364, 34.6250,
7.5162


■ 33.4844, 36.4044,
30.9333


■ 28.7878, 34.5255,
6.2082


■ 34.8105, 36.9348,
37.9154

■ 28.6455, 34.4686,
5.4599


■ 36.3253, 37.5408,
45.8912

 28.5850, 34.4444,
5.1418

 38.0358, 38.2250,
54.8975

 39.9487, 38.9901,
64.9692

 42.0701, 39.8387,
76.1396

 44.4062, 40.7732,
88.4404

Harmonies

Analogous

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



36.1682, 35.2337, 15.3760



30.5611, 35.2337, 15.5460



26.2469, 35.2337, 20.5679

Triad

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



30.5611, 35.2337, 15.5460



26.5004, 35.2337, 65.4702



45.1939, 35.2337, 46.3382

Complementary

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



30.5611, 35.2337, 15.5460



15.1306, 12.8371, 36.8043

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.



41.9529, 35.2337, 64.2622



30.5611, 35.2337, 15.5460



30.9447, 35.2337, 77.2366

Square

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



30.5611, 35.2337, 15.5460



24.0892, 35.2337, 47.6695



36.5973, 35.2337, 76.7409



45.0612, 35.2337, 30.3551

Rectangle

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



30.5611, 35.2337, 15.5460



24.4969, 35.2337, 27.0808



36.5973, 35.2337, 76.7409



44.4484, 35.2337, 52.4116

Sweetspot

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



30.5620, 35.2353, 15.5467



60.7873, 66.0807, 56.2029



21.2011, 16.5124, 12.4262



13.1874, 14.4058, 11.7504



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.



30.5620, 35.2353, 15.5467



54.3242, 63.4953, 22.1762



24.2301, 31.9711, 15.2504



7.6494, 8.2373, 7.5669



21.9163, 26.4088, 3.9423



0.4605, 0.5549, 0.0828

Inverse Universe

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



15.1306, 12.8371, 36.8043



22.5683, 17.4023, 65.9218



19.5937, 15.1379, 37.0132



6.7005, 6.8600, 8.8740



5.1380, 2.0552, 27.0557



0.1080, 0.0432, 0.5685

Previews

White Background



This preview shows how the XYZ color 30.5611, 35.2337, 15.5460 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 30.5611, 35.2337, 15.5460 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

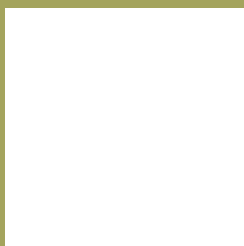
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5611, 35.2337, 15.5460

Background



This preview shows how black text looks on a background with the XYZ color 30.5611, 35.2337, 15.5460.



This preview shows how white text looks on a background with the XYZ color 30.5611, 35.2337,

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

30.5611, 35.2337, 15.5460

Protanopia

32.4071, 35.1444, 15.2007

Deuteranopia

35.7507, 35.0963, 15.9563



Tritanopia

35.8025, 35.0405, 41.9223

Trichromacy



Original Color

30.5611, 35.2337, 15.5460

Protanomaly

31.6899, 35.0331, 15.2170

Deuteranomaly

33.6510, 35.0074, 15.8100

Tritanomaly

33.3968, 34.8118, 30.1585

Monochromacy



Original Color

30.5611, 35.2337, 15.5460

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9299, 33.8607, 27.0959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5611, 35.2337, 15.5460 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(164, 164, 93)` looks like.

```
.text, #text, p{  
    color:rgb(164, 164, 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(164, 164, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 164, 93) }
```

Border

The CSS property to change the border of an element to XYZ 30.5611, 35.2337, 15.5460 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(164, 164, 93) }
```


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

```
.border{ border-color:rgb(164, 164, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 164, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 164, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 164, 93);  
box-shadow:4px 4px 4px 4px rgb(164, 164,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5611, 35.2337, 15.5460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 164, 93) }
```

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

```
.background{ background-color: rgb(164,  
164, 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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