

Converting Colors

XYZ(28.5693, 37.5569, 15.6418)

Have a look what the booklet for
XYZ(28.5693, 37.5569, 15.6418)
contains.

XYZ(28.5690, 37.5568, 15.6410)	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(28.5690, 37.5568,
15.6410)**

Conversions

Conversions Part 1

Format	Color
Hex	8EB05B
RGB	142, 176, 91
RGB Percent	56%, 69%, 36%
CMY	0.4431, 0.3098, 0.6431
CMYK	0.19, 0.00, 0.48, 0.31
HSL	84°, 35%, 52%
HSV	84°, 48%, 69%
XYZ	28.5690, 37.5568, 15.6410
YIQ	156.1440, 7.0210, -33.6430

Conversions

Conversions Part 2

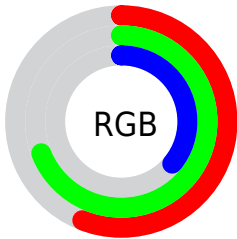
Format	Color
RYB	91, 176, 125
Decimal	9351259
CIELab	67.69, -25.81, 39.55
CIELCh	68, 47.231, 123.129
Yxy	37.5568, 0.3494, 0.4593
Android (android.graphics.Color)	4287541339 (0xFF8EB05B)
YUV	156.1440, -32.1160, -12.4043
Hunter-Lab	61.2836, -24.0337, 27.7663

Details

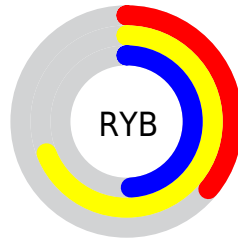
The XYZ color **28.5690, 37.5568, 15.6410** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.0366, 14.9778, 42.9114**, and the grayscale version is **31.8018, 33.4580, 36.4358**.

A 20% lighter version of the original color is **56.8405, 71.5667, 36.8045**, and **11.6996, 16.4997, 4.6659** is the 20% darker color. If you saturate the color by 10%, you get **26.7272, 36.6862, 12.0459**, and if you desaturate by 10%, it is **30.6670, 38.5413, 20.1791**.

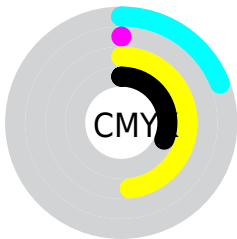
Distribution



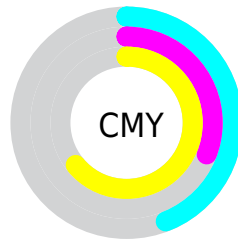
- Red (56%)
- Green (69%)
- Blue (36%)



- Red (36%)
- Yellow (69%)
- Blue (49%)



- Cyan (19%)
- Magenta (0%)
- Yellow (48%)
- Black (31%)



- Cyan (44%)
- Magenta (31%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5690, 37.5568, 15.6410 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 28.5690, 37.5568, 15.6410 by changing the saturation by 10% instead.

■ 28.5690, 37.5568,
15.6410

■ 28.5690, 37.5568,
15.6410

287.2069,
335.7149, 238.9869

■ 18.8977, 25.6389,
9.1189

■ 56.7939, 71.4283,
36.7319

■ 11.6999, 16.5537,
4.7209

■ 76.0782, 94.1507,
52.1378

■ 6.6104, 9.9168,
2.0286

■ 99.2975, 121.2434,
71.3420

■ 3.2638, 5.3438,
0.5728

■ 126.8172,
153.0908, 94.7630

■ 1.2948, 2.4504,
0.0000

159.0027,
190.0772, 122.8195

■ 0.1793, 0.8516,
0.0000

196.2192,

■ 0.0000, 0.0000,

232.5871, 155.9300

0.0000

238.8322,
281.0049, 194.5129

■ 28.5690, 37.5568,
15.6410

■ 28.5690, 37.5568,
15.6410

■ 26.7272, 36.6862,
12.0459

■ 30.6670, 38.5413,
20.1791

■ 25.1249, 35.9187,
9.3248

■ 33.0313, 39.6400,
25.7179

■ 23.7472, 35.2496,
7.4030


■ 35.6746, 40.8594,
32.3134


■ 22.5760, 34.6714,
6.1926

■ 38.6078, 42.2041,
40.0167


■ 21.5814, 34.1720,
5.5446


■ 41.8414, 43.6783,
48.8757

 21.4220, 34.0917,
5.4513

 45.3850, 45.2861,
58.9354

 49.2479, 47.0314,
70.2383

 53.4391, 48.9177,
82.8249

 57.9670, 50.9488,
96.7340

Harmonies

Analogous

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



34.9367, 37.5568, 12.4746



28.5690, 37.5568, 15.6410



24.5934, 37.5568, 25.2964

Triad

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



28.5690, 37.5568, 15.6410



29.7271, 37.5568, 88.1885



51.6066, 37.5568, 38.7399

Complementary

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



28.5690, 37.5568, 15.6410



20.0366, 14.9778, 42.9114

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.



49.7212, 37.5568, 61.8595



28.5690, 37.5568, 15.6410



36.4675, 37.5568, 95.5198

Square

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



28.5690, 37.5568, 15.6410



25.1953, 37.5568, 66.9988



43.9209, 37.5568, 84.5800



48.7727, 37.5568, 22.6389

Rectangle

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



28.5690, 37.5568, 15.6410



23.5074, 37.5568, 36.2749



43.9209, 37.5568, 84.5800



51.5047, 37.5568, 45.8872

Sweetspot

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



28.5699, 37.5585, 15.6418



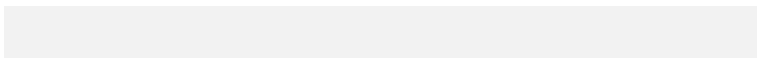
66.7887, 75.0616, 64.0141



27.1279, 24.6540, 13.2270



14.2358, 16.1576, 13.2528



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.



28.5699, 37.5585, 15.6418



48.2484, 66.4268, 21.4394



22.6153, 34.4887, 15.3631



8.8615, 9.7337, 9.0643



15.7843, 25.0472, 4.0027



0.5603, 0.8209, 0.1289

Inverse Universe

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



20.0366, 14.9778, 42.9114



30.9428, 20.5721, 76.8352



27.6212, 18.8878, 43.2664



8.3530, 8.3905, 10.6856



7.6870, 3.2986, 30.3685



0.3086, 0.1382, 0.9586

Previews

White Background



This preview shows how the XYZ color 28.5690, 37.5568, 15.6410 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 28.5690, 37.5568, 15.6410 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 28.5690, 37.5568, 15.6410

Background



This preview shows how black text looks on a background with the XYZ color 28.5690, 37.5568, 15.6410.



This preview shows how white text looks on a background with the XYZ color 28.5690, 37.5568,

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

28.5690, 37.5568, 15.6410

Protanopia

34.2315, 37.4221, 14.4358

Deuteranopia

37.9877, 37.2378, 16.2518



Tritanopia

35.0993, 37.3971, 48.0163

Trichromacy



Original Color

28.5690, 37.5568, 15.6410

Protanomaly

31.8858, 37.2960, 14.7508

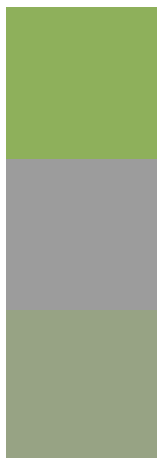
Deuteranomaly

33.8862, 36.9428, 15.9343

Tritanomaly

32.2189, 37.3401, 33.1130

Monochromacy



Original Color

28.5690, 37.5568, 15.6410

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.0245, 34.4396, 26.8948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5690, 37.5568, 15.6410 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(142, 176, 91)` looks like.

```
.text, #text, p{  
    color:rgb(142, 176, 91)  
}
```

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(142, 176, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 176, 91) }
```

Border

The CSS property to change the border of an element to XYZ 28.5690, 37.5568, 15.6410 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(142, 176, 91) }
```


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

```
.border{ border-color:rgb(142, 176, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 176, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 176, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 176, 91);  
box-shadow:4px 4px 4px 4px rgb(142, 176,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5690, 37.5568, 15.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 176, 91) }
```

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

```
.background{ background-color: rgb(142,  
176, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor