

Converting Colors

XYZ(37.9965, 55.1589, 16.2732)

Have a look what the booklet for
XYZ(37.9965, 55.1589, 16.2732)
contains.

XYZ(37.8890, 55.0619, 16.2205)	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(37.8890, 55.0619,
16.2205)**

Conversions

Conversions Part 1

Format	Color
Hex	95D650
RGB	149, 214, 80
RGB Percent	58%, 84%, 31%
CMY	0.4157, 0.1608, 0.6863
CMYK	0.30, 0.00, 0.63, 0.16
HSL	89°, 62%, 58%
HSV	89°, 63%, 84%
XYZ	37.8890, 55.0619, 16.2205
YIQ	179.2890, 4.2740, -55.4540

Conversions

Conversions Part 2

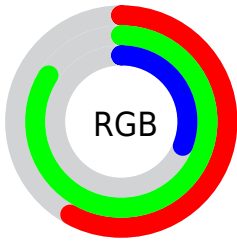
Format	Color
R_{YB}	80, 214, 145
Decimal	9819728
CIE _{Lab}	79.08, -41.83, 57.90
CIE _{LCh}	79, 71.432, 125.845
Yxy	55.0619, 0.3471, 0.5044
Android (android.graphics.Color)	4288009808 (0xFF95D650)
YUV	179.2890, -48.9495, -26.5635
Hunter-Lab	74.2037, -38.7130, 38.9821

Details

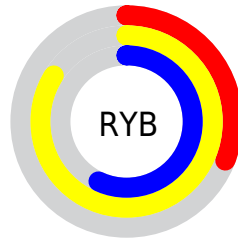
The XYZ color **37.8890, 55.0619, 16.2205** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **26.6858, 16.6138, 65.4217**, and the grayscale version is **43.2549, 45.5075, 49.5577**.

A 20% lighter version of the original color is **65.5167, 86.3630, 35.7709**, and **17.0386, 27.1739, 5.0089** is the 20% darker color. If you saturate the color by 10%, you get **35.4108, 53.8633, 12.6143**, and if you desaturate by 10%, it is **40.7905, 56.4530, 21.1628**.

Distribution



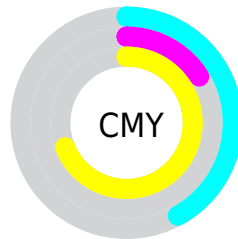
- Red (58%)
- Green (84%)
- Blue (31%)



- Red (31%)
- Yellow (84%)
- Blue (57%)



- Cyan (30%)
- Magenta (0%)
- Yellow (63%)
- Black (16%)





- Cyan (42%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8890, 55.0619, 16.2205 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 37.8890, 55.0619, 16.2205 by changing the saturation by 10% instead.


 37.8890, 55.0619,
16.2205


 37.8890, 55.0619,
16.2205


328.4327,
406.1465, 242.5293


 26.0734, 39.4513,
9.5243


 71.2430, 97.6316,
37.7527


 17.0115, 27.1110,
4.9832


 93.5120, 125.3596,
53.4257


 10.3381, 17.6566,
2.1789


 119.9963,
157.8954, 72.9281

 5.6876, 10.7037,
0.6621

 151.0610,
195.6234, 96.6784

 2.6949, 5.8680,
0.0000

 187.0717,
238.9282, 125.0951

 0.9946, 2.7650,
0.0000

228.3936,

 0.0000, 1.0103,

288.1941, 158.5968

0.0000

275.3922,
343.8054, 197.6021

■ 0.0000, 0.0000,
0.0000

■ 37.8890, 55.0619,
16.2205

■ 37.8890, 55.0619,
16.2205

■ 35.4108, 53.8633,
12.6143

■ 40.7905, 56.4530,
21.1628

■ 33.3227, 52.8379,
10.2095

■ 44.1371, 58.0403,
27.5517

■ 31.5914, 51.9738,
8.8494

■ 47.9536, 59.8361,
35.4901

■ 30.5017, 51.4226,
8.3180

■ 52.2615, 61.8493,
45.0709

■ 57.0807, 64.0883,
56.3792

■ 62.4300, 66.5613,
69.4946

■ 68.3271, 69.2755,
84.4916

■ 74.7888, 72.2382,
101.4404

■ 78.8648, 74.2696,
104.7866

Harmonies

Analogous

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



49.5968, 55.0619, 10.8999



37.8890, 55.0619, 16.2205



31.1251, 55.0619, 33.2605

Triad

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



37.8890, 55.0619, 16.2205



41.9160, 55.0619, 163.6694



84.5524, 55.0619, 52.3200

Complementary

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



37.8890, 55.0619, 16.2205



26.6858, 16.6138, 65.4217

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.



81.4870, 55.0619, 98.0831



37.8890, 55.0619, 16.2205



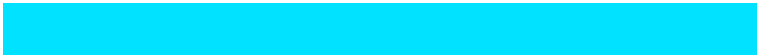
55.1716, 55.0619, 176.6039

Square

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



37.8890, 55.0619, 16.2205



33.1381, 55.0619, 118.5581



70.0520, 55.0619, 148.5677



77.7999, 55.0619, 24.7721

Rectangle

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



37.8890, 55.0619, 16.2205



29.5102, 55.0619, 54.4522



70.0520, 55.0619, 148.5677



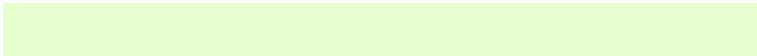
84.6493, 55.0619, 65.8124

Sweetspot

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



37.8903, 55.0643, 16.2217



80.0830, 93.0747, 72.4878



39.2715, 35.0570, 12.2871



16.7124, 19.7223, 14.5246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.8903, 55.0643, 16.2217



51.6240, 79.5921, 17.4552



28.9962, 50.4793, 15.8055



12.8661, 14.2072, 13.2249



18.5562, 31.1424, 5.0331



1.2146, 1.9276, 0.3080

Inverse Universe

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



26.6858, 16.6138, 65.4217



33.6818, 17.9793, 96.3029



42.0927, 24.5563, 66.1428



12.3103, 12.3014, 15.6631



10.8931, 4.7681, 38.7994



0.7524, 0.3367, 2.3447

Previews

White Background



This preview shows how the XYZ color 37.8890, 55.0619, 16.2205 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 37.8890, 55.0619, 16.2205 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 37.8890, 55.0619, 16.2205

Background



This preview shows how black text looks on a background with the XYZ color 37.8890, 55.0619, 16.2205.

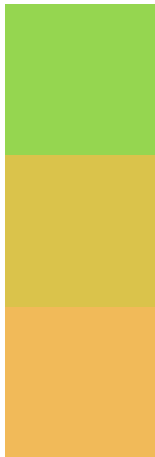


This preview shows how white text looks on a background with the XYZ color 37.8890, 55.0619,

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

37.8890, 55.0619, 16.2205

Protanopia

49.6985, 54.4436, 14.5459

Deuteranopia

55.6377, 54.5399, 17.0460



Tritanopia

49.1974, 54.5913, 72.9099

Trichromacy



Original Color

37.8890, 55.0619, 16.2205

Protanomaly

44.4524, 54.1143, 15.1234

Deuteranomaly

47.4321, 53.5616, 16.6426

Tritanomaly

43.5043, 54.0297, 44.6951

Monochromacy



Original Color

37.8890, 55.0619, 16.2205

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

39.9560, 48.0073, 33.1470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8890, 55.0619, 16.2205 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(149, 214, 80)` looks like.

```
.text, #text, p{  
    color:rgb(149, 214, 80)  
}
```

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(149, 214, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 214, 80) }
```

Border

The CSS property to change the border of an element to XYZ 37.8890, 55.0619, 16.2205 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(149, 214, 80) }
```


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

```
.border{ border-color:rgb(149, 214, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 214, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 214, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 214, 80);  
box-shadow:4px 4px 4px 4px rgb(149, 214,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8890, 55.0619, 16.2205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 214, 80) }
```

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

```
.background{ background-color: rgb(149,  
214, 80) }
```

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