

Converting Colors

XYZ(41.5583, 37.9348, 15.9614)

Have a look what the booklet for
XYZ(41.5583, 37.9348, 15.9614)
contains.

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Color

**XYZ(41.6127, 37.8816,
15.9451)**

Conversions

Conversions Part 1

Format	Color
Hex	D8985F
RGB	216, 152, 95
RGB Percent	85%, 60%, 37%
CMY	0.1529, 0.4039, 0.6274
CMYK	0.00, 0.30, 0.56, 0.15
HSL	28°, 61%, 61%
HSV	28°, 56%, 85%
XYZ	41.6127, 37.8816, 15.9451
YIQ	164.6380, 56.4410, -4.1590

Conversions

Conversions Part 2

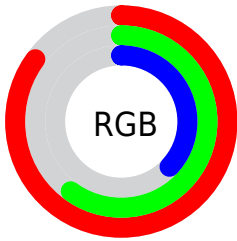
Format	Color
R _Y B	216, 203, 95
Decimal	14194783
CIE Lab	67.93, 17.88, 39.29
CIE LCh	68, 43.171, 65.530
Yxy	37.8816, 0.4360, 0.3969
Android (android.graphics.Color)	4292384863 (0xFFD8985F)
YUV	164.6380, -34.3315, 45.0445
Hunter-Lab	61.5480, 12.9750, 27.7235

Details

The XYZ color **41.6127, 37.8816, 15.9451** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **29.5115, 32.1856, 69.6225**, and the grayscale version is **35.7318, 37.5927, 40.9384**.

A 20% lighter version of the original color is **68.5778, 67.5092, 37.0199**, and **19.2673, 16.7817, 4.9130** is the 20% darker color. If you saturate the color by 10%, you get **38.9981, 34.0119, 10.8829**, and if you desaturate by 10%, it is **44.6799, 42.2211, 22.5017**.

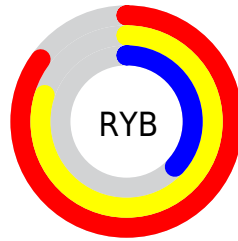
Distribution



Red (85%)

Green (60%)

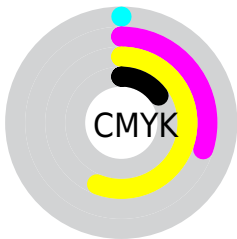
Blue (37%)



Red (85%)

Yellow (80%)

Blue (37%)

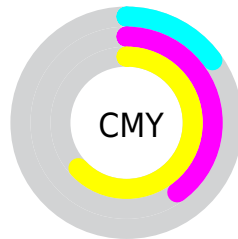


Cyan (0%)

Magenta (30%)

Yellow (56%)

Black (15%)



Cyan (15%)


Magenta (40%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6127, 37.8816, 15.9451 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 41.6127, 37.8816, 15.9451 by changing the saturation by 10% instead.


 41.6127, 37.8816,
15.9451


 41.6127, 37.8816,
15.9451


343.8939,
337.1118, 240.8522

 28.9879, 25.8908,
9.3314


 76.8820, 71.9266,
37.2683


 19.2159, 16.7420,
4.8582


 100.2572, 94.7496,
52.8149

 11.9313, 10.0507,
2.1070

 127.9466,
121.9522, 72.1762

 6.7688, 5.4326,
0.6199

 160.3155,
153.9187, 95.7708

 3.3630, 2.5032,
0.0000

197.7294,
191.0335, 124.0171

 1.3485, 0.8783,
0.0000

240.5535,

 0.2191, 0.0000,

233.6810, 157.3337

0.0000

289.1532,
282.2457, 196.1393

■ 0.0000, 0.0000,
0.0000

■ 41.6127, 37.8816,
15.9451

■ 41.6127, 37.8816,
15.9451

■ 38.9981, 34.0119,
10.8829

■ 44.6799, 42.2211,
22.5017

■ 36.8053, 30.5872,
7.1895

■ 48.2223, 47.0426,
30.6599

■ 35.0029, 27.5880,
4.7220

■ 52.2640, 52.3648,
40.5196

■ 33.5520, 24.9899,
3.3021

■ 56.8264, 58.2033,
52.1717

■ 33.0467, 24.0547,
2.9013

■ 61.9297, 64.5731,
65.7006

■ 67.5926, 71.4885,
81.1856

■ 73.8333, 78.9630,
98.7009

■ 78.5383, 86.1578,
107.0985

■ 82.0716, 93.2245,
108.2762

Harmonies

Analogous

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



47.5467, 37.8816, 23.2987



41.6127, 37.8816, 15.9451



34.7775, 37.8816, 14.3342

Triad

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



41.6127, 37.8816, 15.9451



24.6393, 37.8816, 44.9070



44.0272, 37.8816, 79.1721

Complementary

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



41.6127, 37.8816, 15.9451



29.5115, 32.1856, 69.6225

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.



37.2617, 37.8816, 89.9796



41.6127, 37.8816, 15.9451



26.5013, 37.8816, 66.6325

Square

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



41.6127, 37.8816, 15.9451



25.5017, 37.8816, 27.7675



30.9258, 37.8816, 84.7942



49.0574, 37.8816, 58.5048

Rectangle

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



41.6127, 37.8816, 15.9451



30.7310, 37.8816, 16.0987



30.9258, 37.8816, 84.7942



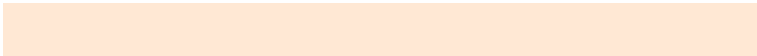
41.8510, 37.8816, 84.3287

Sweetspot

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



41.6136, 37.8835, 15.9458



81.9567, 83.7501, 73.9019



38.7156, 25.3054, 35.8882



17.2442, 17.5475, 15.0485



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.



41.6136, 37.8835, 15.9458



56.2364, 48.6831, 14.8511



53.9195, 62.4953, 20.0478



12.9009, 13.3759, 13.0626



19.6666, 14.4505, 1.7527



1.2687, 1.0366, 0.1332

Inverse Universe

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



29.5115, 32.1856, 69.6225



36.9543, 39.5812, 100.3000



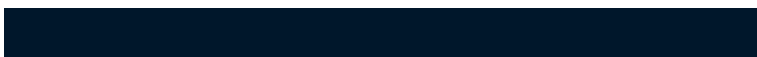
21.5793, 16.3211, 66.9785



12.2808, 13.0851, 15.8159



11.0230, 10.3077, 39.8618



0.7474, 0.7869, 2.4318

Previews

White Background



This preview shows how the XYZ color 41.6127, 37.8816, 15.9451 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 41.6127, 37.8816, 15.9451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

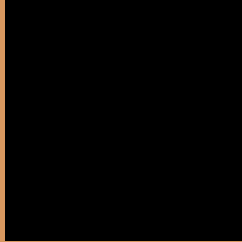
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6127, 37.8816, 15.9451

Background



This preview shows how black text looks on a background with the XYZ color 41.6127, 37.8816, 15.9451.



This preview shows how white text looks on a background with the XYZ color 41.6127, 37.8816,

15.9451.

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

41.6127, 37.8816, 15.9451

Protanopia

34.9925, 38.0163, 17.5502

Deuteranopia

38.6044, 37.8184, 15.8547



Tritanopia

45.9449, 38.0233, 36.3701

Trichromacy



Original Color

41.6127, 37.8816, 15.9451

Protanomaly

37.1976, 37.8409, 16.8988

Deuteranomaly

39.6410, 37.8505, 15.8062

Tritanomaly

44.1064, 37.9611, 27.5568

Monochromacy



Original Color

41.6127, 37.8816, 15.9451

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.0716, 37.2254, 30.0423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6127, 37.8816, 15.9451 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(216, 152, 95)` looks like.

```
.text, #text, p{  
    color:rgb(216, 152, 95)  
}
```

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(216, 152, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 152, 95) }
```

Border

The CSS property to change the border of an element to XYZ 41.6127, 37.8816, 15.9451 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(216, 152, 95) }
```


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

```
.border{ border-color:rgb(216, 152, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 152, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 152, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 152, 95);  
box-shadow:4px 4px 4px 4px rgb(216, 152,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6127, 37.8816, 15.9451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 152, 95) }
```

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

```
.background{ background-color: rgb(216,  
152, 95) }
```

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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