

Converting Colors

XYZ(41.9015, 40.6131, 13.4917)

Have a look what the booklet for
XYZ(41.9015, 40.6131, 13.4917)
contains.

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Color

**XYZ(41.8461, 40.5809,
13.4119)**

Conversions

Conversions Part 1

Format	Color
Hex	D5A251
RGB	213, 162, 81
RGB Percent	84%, 64%, 32%
CMY	0.1647, 0.3647, 0.6823
CMYK	0.00, 0.24, 0.62, 0.16
HSL	37°, 61%, 58%
HSV	37°, 62%, 84%
XYZ	41.8461, 40.5809, 13.4119
YIQ	168.0150, 56.3970, -14.3790

Conversions

Conversions Part 2

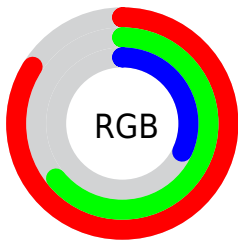
Format	Color
RYB	164, 213, 81
Decimal	14000721
CIELab	69.88, 10.19, 48.56
CIELCh	70, 49.618, 78.144
Yxy	40.5809, 0.4366, 0.4234
Android (android.graphics.Color)	4292190801 (0xFFD5A251)
YUV	168.0150, -42.8984, 39.4518
Hunter-Lab	63.7031, 5.7748, 32.1094

Details

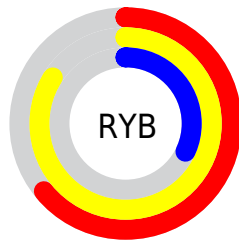
The XYZ color **41.8461, 40.5809, 13.4119** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.6544, 23.0548, 66.1537**, and the grayscale version is **37.4124, 39.3607, 42.8638**.

A 20% lighter version of the original color is **70.2865, 72.5792, 32.4950**, and **19.4364, 18.4312, 3.7615** is the 20% darker color. If you saturate the color by 10%, you get **39.7670, 37.5069, 9.3774**, and if you desaturate by 10%, it is **44.2724, 43.9488, 18.7986**.

Distribution



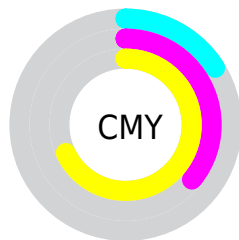
- Red (84%)
- Green (64%)
- Blue (32%)



- Red (64%)
- Yellow (84%)
- Blue (32%)



- Cyan (0%)
- Magenta (24%)
- Yellow (62%)
- Black (16%)



- Cyan (16%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8461, 40.5809, 13.4119 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 41.8461, 40.5809, 13.4119 by changing the saturation by 10% instead.

41.8461, 40.5809,
13.4119

41.8461, 40.5809,
13.4119

344.8471,
348.5659, 224.8406

29.1714, 27.9918,
7.5787

77.2333, 76.0473,
32.7438

19.3554, 18.3194,
3.7427

100.6764, 99.6933,
47.0796

12.0329, 11.1796,
1.4853

128.4398,
127.7937, 65.0867

6.8385, 6.1878,
0.2069

160.8887,
160.7330, 87.1837

3.4067, 2.9596,
0.0000

198.3886,
198.8954, 113.7890

1.3723, 1.1107,
0.0000

241.3047,

0.2364, 0.0000,

242.6655, 145.3212

0.0000

290.0024,
292.4275, 182.1989

■ 0.0000, 0.0000,
0.0000

■ 41.8461, 40.5809,
13.4119

■ 41.8461, 40.5809,
13.4119

■ 39.7670, 37.5069,
9.3774

■ 44.2724, 43.9488,
18.7986

■ 38.0062, 34.7075,
6.5640

■ 47.0661, 47.6167,
25.6474

■ 36.5336, 32.1692,
4.8183

■ 50.2487, 51.5974,
34.0593

■ 35.5182, 30.3016,
3.9768

■ 53.8392, 55.9012,
44.1259

■ 57.8551, 60.5378,
55.9315

■ 62.3127, 65.5162,
69.5546

■ 67.2277, 70.8450,
85.0690

■ 72.6145, 76.5326,
102.5442

■ 75.5042, 81.3937,
106.3388

Harmonies

Analogous

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



49.8734, 40.5809, 18.6716



41.8461, 40.5809, 13.4119



33.9399, 40.5809, 13.9895

Triad

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



41.8461, 40.5809, 13.4119



25.6298, 40.5809, 59.5117



51.3148, 40.5809, 80.9464

Complementary

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



41.8461, 40.5809, 13.4119



23.6544, 23.0548, 66.1537

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.



43.6052, 40.5809, 101.2647



41.8461, 40.5809, 13.4119



29.1197, 40.5809, 86.2148

Square

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



41.8461, 40.5809, 13.4119



25.2959, 40.5809, 35.6734



35.4713, 40.5809, 103.4725



55.8283, 40.5809, 53.9547

Rectangle

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



41.8461, 40.5809, 13.4119



29.7625, 40.5809, 17.6493



35.4713, 40.5809, 103.4725



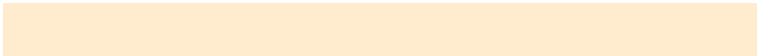
48.9654, 40.5809, 89.1353

Sweetspot

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



41.8471, 40.5829, 13.4127



82.5244, 85.8968, 70.9737



34.6722, 21.7469, 24.8517



17.3051, 17.9659, 14.1543



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.



41.8471, 40.5829, 13.4127



58.9809, 55.1541, 12.7379



49.0453, 60.4341, 16.8650



13.0513, 13.6768, 13.1127



21.7979, 18.7130, 2.4631



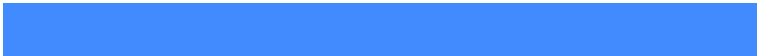
1.3939, 1.2870, 0.1749

Inverse Universe

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



23.6544, 23.0548, 66.1537



29.5785, 26.9117, 98.2433



19.5896, 13.0796, 64.4426



12.1321, 12.7875, 15.7663



9.2848, 6.8314, 39.2824



0.6390, 0.5701, 2.3957

Previews

White Background



This preview shows how the XYZ color 41.8461, 40.5809, 13.4119 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 41.8461, 40.5809, 13.4119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

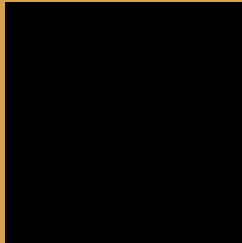
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8461, 40.5809, 13.4119

Background



This preview shows how black text looks on a background with the XYZ color 41.8461, 40.5809, 13.4119.



This preview shows how white text looks on a background with the XYZ color 41.8461, 40.5809,

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

41.8461, 40.5809, 13.4119

Protanopia

37.1494, 40.5847, 14.2632

Deuteranopia

41.4464, 40.6374, 13.4439



Tritanopia

47.3055, 40.5229, 40.4504

Trichromacy



Original Color

41.8461, 40.5809, 13.4119

Protanomaly

38.8527, 40.6356, 13.9793

Deuteranomaly

41.7338, 40.7855, 13.4574

Tritanomaly

44.8068, 40.2499, 27.9617

Monochromacy



Original Color

41.8461, 40.5809, 13.4119

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.8473, 39.2404, 28.8719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8461, 40.5809, 13.4119 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(213, 162, 81)` looks like.

```
.text, #text, p{  
    color:rgb(213, 162, 81)  
}
```

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(213, 162, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 162, 81) }
```

Border

The CSS property to change the border of an element to XYZ 41.8461, 40.5809, 13.4119 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(213, 162, 81) }
```


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

```
.border{ border-color:rgb(213, 162, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 162, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 162, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 162, 81);  
box-shadow:4px 4px 4px 4px rgb(213, 162,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8461, 40.5809, 13.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 162, 81) }
```

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

```
.background{ background-color: rgb(213,  
162, 81) }
```

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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