

Converting Colors

XYZ(41.7618, 36.9341, 13.1490)

Have a look what the booklet for
XYZ(41.7618, 36.9341, 13.1490)
contains.

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Color

**XYZ(41.8138, 36.8641,
13.0953)**

Conversions

Conversions Part 1

Format	Color
Hex	DD9353
RGB	221, 147, 83
RGB Percent	87%, 58%, 33%
CMY	0.1333, 0.4235, 0.6745
CMYK	0.00, 0.33, 0.62, 0.13
HSL	28°, 67%, 60%
HSV	28°, 62%, 87%
XYZ	41.8138, 36.8641, 13.0953
YIQ	161.8300, 64.6480, -4.2160

Conversions

Conversions Part 2

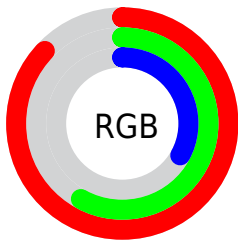
Format	Color
R _Y B	221, 202, 83
Decimal	14521171
CIE Lab	67.17, 21.76, 44.68
CIE LCh	67, 49.700, 64.033
Yxy	36.8641, 0.4556, 0.4017
Android (android.graphics.Color)	4292711251 (0xFFDD9353)
YUV	161.8300, -38.8632, 51.8921
Hunter-Lab	60.7158, 16.6768, 29.7133

Details

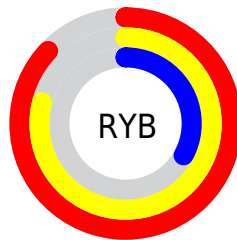
The XYZ color **41.8138, 36.8641, 13.0953** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **28.6747, 31.1718, 72.9116**, and the grayscale version is **34.4189, 36.2113, 39.4342**.

A 20% lighter version of the original color is **66.4297, 64.7545, 31.5519**, and **19.3719, 16.1626, 3.6121** is the 20% darker color. If you saturate the color by 10%, you get **39.3440, 33.0795, 8.7124**, and if you desaturate by 10%, it is **44.7470, 41.1408, 18.9746**.

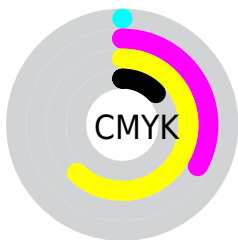
Distribution



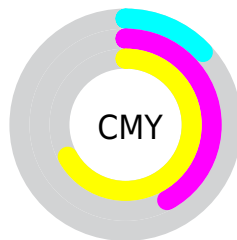
- Red (87%)
- Green (58%)
- Blue (33%)



- Red (87%)
- Yellow (79%)
- Blue (33%)



- Cyan (0%)
- Magenta (33%)
- Yellow (62%)
- Black (13%)



- Cyan (13%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8138, 36.8641, 13.0953 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 41.8138, 36.8641, 13.0953 by changing the saturation by 10% instead.

41.8138, 36.8641,
13.0953

41.8138, 36.8641,
13.0953

344.7153,
332.7218, 222.7568

29.1460, 25.1023,
7.3627

77.1847, 70.3637,
32.1686

19.3361, 16.1533,
3.6081

100.6185, 92.8703,
46.3463

12.0189, 9.6327,
1.4129

128.3716,
119.7273, 64.1763

6.8288, 5.1561,
0.1517

160.8095,
151.3191, 86.0768

3.4006, 2.3391,
0.0000

198.2974,
188.0300, 112.4666

1.3690, 0.7943,
0.0000

241.2008,

0.2340, 0.0000,

230.2445, 143.7642

0.0000

289.8849,
278.3470, 180.3881

■ 0.0000, 0.0000,
0.0000

■ 41.8138, 36.8641,
13.0953

■ 41.8138, 36.8641,
13.0953

■ 39.3440, 33.0795,
8.7124

■ 44.7470, 41.1408,
18.9746

■ 37.3026, 29.7593,
5.6804

■ 48.1699, 45.9244,
26.4732

■ 35.6518, 26.8804,
3.8276

■ 52.1095, 51.2356,
35.7033

■ 34.6193, 24.9736,
2.9957

■ 56.5898, 57.0920,
46.7664

■ 61.6331, 63.5104,
59.7563

■ 67.2605, 70.5067,
74.7602

■ 73.4916, 78.0961,
91.8598

■ 79.5626, 85.9801,
107.0102

■ 83.2009, 93.2566,
108.2229

Harmonies

Analogous

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



48.5548, 36.8641, 21.0196



41.8138, 36.8641, 13.0953



34.0234, 36.8641, 11.2425

Triad

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



41.8138, 36.8641, 13.0953



22.4198, 36.8641, 43.1458



43.8428, 36.8641, 85.6078

Complementary

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



41.8138, 36.8641, 13.0953



28.6747, 31.1718, 72.9116

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.



36.0730, 36.8641, 97.8190



41.8138, 36.8641, 13.0953



24.2964, 36.8641, 68.3186

Square

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



41.8138, 36.8641, 13.0953



23.5024, 36.8641, 24.4983



29.0372, 36.8641, 90.5634



49.8397, 36.8641, 61.3251

Rectangle

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



41.8138, 36.8641, 13.0953



29.4324, 36.8641, 12.8151



29.0372, 36.8641, 90.5634



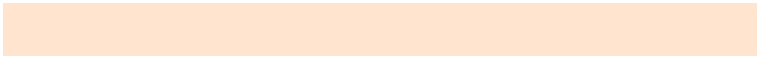
41.3141, 36.8641, 91.5916

Sweetspot

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



41.8147, 36.8660, 13.0960



80.4728, 81.7935, 70.2898



39.1614, 24.0586, 35.3354



16.8094, 16.9747, 13.9891



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.



41.8147, 36.8660, 13.0960



53.4602, 44.2312, 10.5331



55.4517, 64.1401, 17.6417



13.5513, 14.0419, 13.7217



20.2220, 14.7295, 1.7773



1.3957, 1.1255, 0.1437

Inverse Universe

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



28.6747, 31.1718, 72.9116



33.8384, 35.6821, 99.7116



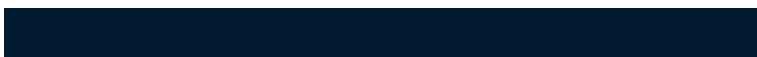
20.2664, 14.3553, 70.1088



12.9140, 13.7677, 16.6289



11.4938, 10.8571, 41.2282



0.8306, 0.8752, 2.6996

Previews

White Background



This preview shows how the XYZ color 41.8138, 36.8641, 13.0953 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 41.8138, 36.8641, 13.0953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

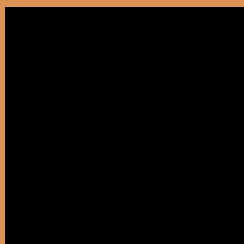
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8138, 36.8641, 13.0953

Background



This preview shows how black text looks on a background with the XYZ color 41.8138, 36.8641, 13.0953.



This preview shows how white text looks on a background with the XYZ color 41.8138, 36.8641,

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

41.8138, 36.8641, 13.0953

Protanopia

33.9010, 36.9755, 14.8014

Deuteranopia

37.7308, 36.9276, 12.9237



Tritanopia

46.1017, 36.8360, 33.5344

Trichromacy



Original Color

41.8138, 36.8641, 13.0953

Protanomaly

36.4528, 36.7439, 14.1878

Deuteranomaly

39.2087, 36.9470, 13.0476

Tritanomaly

44.1794, 36.6997, 24.4939

Monochromacy



Original Color

41.8138, 36.8641, 13.0953

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.8190, 35.8747, 27.2269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8138, 36.8641, 13.0953 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(221, 147, 83)` looks like.

```
.text, #text, p{  
    color:rgb(221, 147, 83)  
}
```

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(221, 147, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 147, 83) }
```

Border

The CSS property to change the border of an element to XYZ 41.8138, 36.8641, 13.0953 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(221, 147, 83) }
```


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

```
.border{ border-color:rgb(221, 147, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 147, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 147, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 147, 83);  
box-shadow:4px 4px 4px 4px rgb(221, 147,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8138, 36.8641, 13.0953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 147, 83) }
```

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

```
.background{ background-color: rgb(221,  
147, 83) }
```

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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