

Converting Colors

XYZ(41.8287, 40.1118, 20.3186)

Have a look what the booklet for
XYZ(41.8287, 40.1118, 20.3186)
contains.

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Color

**XYZ(41.8538, 40.1708,
20.2997)**

Conversions

Conversions Part 1

Format	Color
Hex	D1A16E
RGB	209, 161, 110
RGB Percent	82%, 63%, 43%
CMY	0.1804, 0.3686, 0.5686
CMYK	0.00, 0.23, 0.47, 0.18
HSL	31°, 52%, 63%
HSV	31°, 47%, 82%
XYZ	41.8538, 40.1708, 20.2997
YIQ	169.5380, 44.9790, -5.6850

Conversions

Conversions Part 2

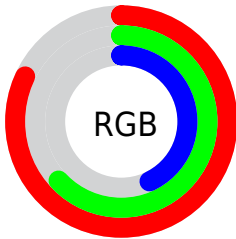
Format	Color
RYB	203, 209, 110
Decimal	13738350
CIELab	69.59, 11.47, 33.32
CIELCh	70, 35.235, 71.004
Yxy	40.1708, 0.4090, 0.3926
Android (android.graphics.Color)	4291928430 (0xFFD1A16E)
YUV	169.5380, -29.3522, 34.6082
Hunter-Lab	63.3804, 6.9582, 25.3767

Details

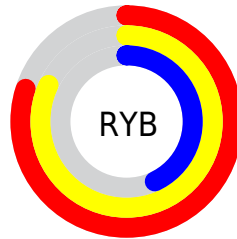
The XYZ color **41.8538, 40.1708, 20.2997** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.1654, 32.3709, 64.9797**, and the grayscale version is **38.1051, 40.0895, 43.6575**.

A 20% lighter version of the original color is **72.3175, 72.9804, 44.4575**, and **19.2598, 17.9496, 6.8644** is the 20% darker color. If you saturate the color by 10%, you get **39.1480, 36.3706, 14.4305**, and if you desaturate by 10%, it is **44.9734, 44.3692, 27.6316**.

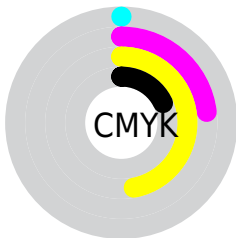
Distribution



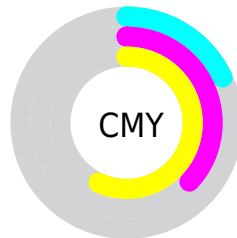
- Red (82%)
- Green (63%)
- Blue (43%)



- Red (80%)
- Yellow (82%)
- Blue (43%)



- Cyan (0%)
- Magenta (23%)
- Yellow (47%)
- Black (18%)





- Cyan (18%)
- Magenta (37%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8538, 40.1708, 20.2997 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 41.8538, 40.1708, 20.2997 by changing the saturation by 10% instead.


 41.8538, 40.1708,
20.2997


 41.8538, 40.1708,
20.2997


344.8785,
346.8429, 266.1907

 29.1774, 27.6717,
12.4268


 77.2449, 75.4235,
44.7846


 19.3600, 18.0784,
6.9090


 100.6903, 98.9460,
62.2338

 12.0363, 11.0063,
3.3277


 128.4561,
126.9117, 83.7122

 6.8408, 6.0710,
1.2643

 160.9076,
159.7051, 109.6383

 3.4082, 2.8883,
0.0323

198.4103,
197.7105, 140.4306

 1.3731, 1.0737,
0.0000

241.3294,

 0.2369, 0.0000,

241.3123, 176.5078

0.0000

290.0304,
290.8950, 218.2883

■ 0.0000, 0.0000,
0.0000

■ 41.8538, 40.1708,
20.2997

■ 41.8538, 40.1708,
20.2997

■ 39.1480, 36.3706,
14.4305

■ 44.9734, 44.3692,
27.6316

■ 36.8307, 32.9485,
9.9197

■ 48.5245, 48.9735,
36.5160

■ 34.8774, 29.8906,
6.6526


■ 52.5271, 53.9982,
47.0382


■ 33.2593, 27.1794,
4.4942


■ 56.9988, 59.4555,
59.2766


■ 31.9376, 24.7935,
3.2603


■ 61.9565, 65.3566,
73.3044

 31.6229, 24.2123,
3.0067

 67.4159, 71.7127,
89.1905

 73.1818, 78.4500,
105.8930

 76.1156, 84.3176,
106.8709

 79.2165, 90.5194,
107.9046

Harmonies

Analogous

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



47.0462, 40.1708, 26.2349



41.8538, 40.1708, 20.2997



36.1308, 40.1708, 19.6298

Triad

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



41.8538, 40.1708, 20.2997



28.4179, 40.1708, 49.9964



45.8180, 40.1708, 71.8992

Complementary

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



41.8538, 40.1708, 20.2997



30.1654, 32.3709, 64.9797

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.



40.3077, 40.1708, 82.2647



41.8538, 40.1708, 20.2997



30.5061, 40.1708, 67.6841

Square

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



41.8538, 40.1708, 20.2997



28.7432, 40.1708, 34.3133



34.7299, 40.1708, 80.5549



49.4873, 40.1708, 54.7502

Rectangle

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



41.8538, 40.1708, 20.2997



32.8187, 40.1708, 22.0059



34.7299, 40.1708, 80.5549



44.0980, 40.1708, 76.4641

Sweetspot

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



41.8548, 40.1727, 20.3005



84.5508, 87.3605, 79.6311



38.1721, 27.2281, 36.2728



17.7798, 18.3082, 16.1847



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.



41.8548, 40.1727, 20.3005



61.2871, 56.8815, 22.4012



51.9093, 60.2818, 23.6520



12.3052, 12.8011, 12.4343



19.5970, 15.1270, 1.8869



1.1750, 1.0044, 0.1319

Inverse Universe

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



30.1654, 32.3709, 64.9797



40.7816, 43.2019, 100.7971



23.5153, 19.0708, 62.7630



11.6299, 12.3501, 15.0145



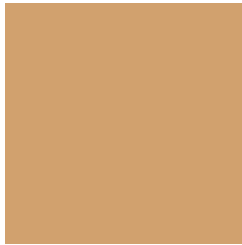
10.0825, 8.8116, 38.3619



0.6430, 0.6513, 2.1714

Previews

White Background



This preview shows how the XYZ color 41.8538, 40.1708, 20.2997 looks on a white background.

Color Contrast Check

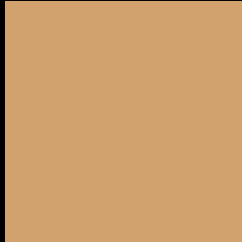
Large Text (above 18pt) WCAG AA × Fail

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 41.8538, 40.1708, 20.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

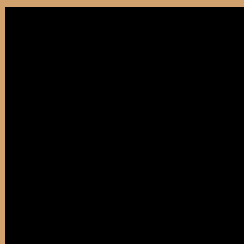
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8538, 40.1708, 20.2997

Background



This preview shows how black text looks on a background with the XYZ color 41.8538, 40.1708, 20.2997.



This preview shows how white text looks on a background with the XYZ color 41.8538, 40.1708,

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

41.8538, 40.1708, 20.2997

Protanopia

37.4196, 40.2786, 21.7219

Deuteranopia

41.0885, 40.2993, 20.3648



Tritanopia

46.1701, 40.1605, 41.3947

Trichromacy



Original Color

41.8538, 40.1708, 20.2997

Protanomaly

39.0475, 40.2990, 21.3432

Deuteranomaly

41.1884, 40.0883, 20.3188

Tritanomaly

44.3967, 40.1863, 32.6109

Monochromacy



Original Color

41.8538, 40.1708, 20.2997

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.9312, 39.9659, 33.6793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8538, 40.1708, 20.2997 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(209, 161, 110)` looks like.

```
.text, #text, p{  
    color:rgb(209, 161, 110)  
}
```

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(209, 161, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 161, 110) }
```

Border

The CSS property to change the border of an element to XYZ 41.8538, 40.1708, 20.2997 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(209, 161, 110) }
```


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

```
.border{ border-color:rgb(209, 161, 110) }
```

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

Here you see how a box with a 4 pixel rgb(209, 161, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 161, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 161, 110);  
box-shadow:4px 4px 4px 4px rgb(209, 161,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8538, 40.1708, 20.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 161, 110) }
```

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

```
.background{ background-color: rgb(209,  
161, 110) }
```

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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