

Converting Colors

XYZ(41.6942, 36.8549, 20.1501)

Have a look what the booklet for
XYZ(41.6942, 36.8549, 20.1501)
contains.

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Color

**XYZ(41.8334, 36.9486,
20.2562)**

Conversions

Conversions Part 1

Format	Color
Hex	D89470
RGB	216, 148, 112
RGB Percent	85%, 58%, 44%
CMY	0.1529, 0.4196, 0.5608
CMYK	0.00, 0.31, 0.48, 0.15
HSL	21°, 57%, 64%
HSV	21°, 48%, 85%
XYZ	41.8334, 36.9486, 20.2562
YIQ	164.2280, 52.0840, 3.2200

Conversions

Conversions Part 2

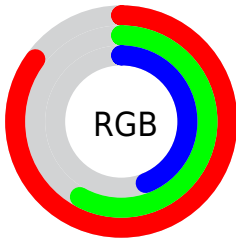
Format	Color
R _Y B	216, 167, 112
Decimal	14193776
CIE Lab	67.24, 21.55, 29.34
CIE LCh	67, 36.404, 53.708
Yxy	36.9486, 0.4224, 0.3731
Android (android.graphics.Color)	4292383856 (0xFFD89470)
YUV	164.2280, -25.7484, 45.4040
Hunter-Lab	60.7854, 16.4720, 22.7919

Details

The XYZ color **41.8334, 36.9486, 20.2562** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.3972, 41.0432, 71.0219**, and the grayscale version is **35.4975, 37.3461, 40.6699**.

A 20% lighter version of the original color is **69.0614, 66.1814, 44.2563**, and **19.3007, 16.1887, 6.9580** is the 20% darker color. If you saturate the color by 10%, you get **38.6904, 32.3620, 13.9700**, and if you desaturate by 10%, it is **45.5370, 42.1947, 28.1531**.

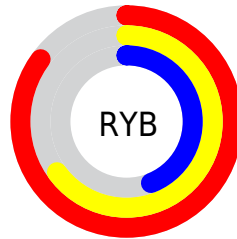
Distribution



Red (85%)

Green (58%)

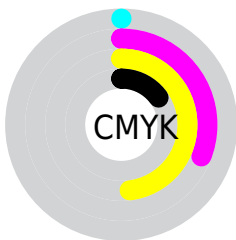
Blue (44%)



Red (85%)

Yellow (65%)

Blue (44%)

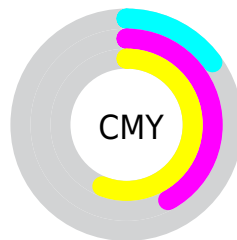


Cyan (0%)

Magenta (31%)

Yellow (48%)

Black (15%)



Cyan (15%)


Magenta (42%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8334, 36.9486, 20.2562 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 41.8334, 36.9486, 20.2562 by changing the saturation by 10% instead.


 41.8334, 36.9486,
20.2562


 41.8334, 36.9486,
20.2562

344.7952,
333.0879, 265.9487

 29.1614, 25.1677,
12.3955


 77.2142, 70.4937,
44.7109


 19.3478, 16.2020,
6.8878


 100.6536, 93.0267,
62.1420

 12.0274, 9.6672,
3.3147


 128.4130,
119.9126, 83.6003

 6.8347, 5.1789,
1.2575

 160.8576,
151.5356, 109.5043

 3.4043, 2.3526,
0.0265

198.3527,
188.2803, 140.2726

 1.3710, 0.8013,
0.0000

241.2638,

 0.2354, 0.0000,

230.5310, 176.3238

0.0000

289.9562,
278.6721, 218.0763

■ 0.0000, 0.0000,
0.0000

■ 41.8334, 36.9486,
20.2562

■ 41.8334, 36.9486,
20.2562

■ 38.6904, 32.3620,
13.9700

■ 45.5370, 42.1947,
28.1531

■ 36.0747, 28.4018,
9.1787

■ 49.8265, 48.1210,
37.7612

■ 33.9529, 25.0397,
5.7543


■ 54.7289, 54.7535,
49.1752


■ 32.2863, 22.2427,
3.5457


■ 60.2686, 62.1155,
62.4821


■ 31.0224, 19.9710,
2.3346

■ 66.4686, 70.2291,
77.7633

 30.8199, 19.6012,
2.1590

 73.3507, 79.1152,
95.0955

 79.5867, 88.2547,
107.4479

 82.1288, 93.3389,
108.2953

Harmonies

Analogous

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



45.8436, 36.9486, 29.1341



41.8334, 36.9486, 20.2562



36.3032, 36.9486, 16.8281

Triad

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



41.8334, 36.9486, 20.2562



25.5288, 36.9486, 36.9679



39.5943, 36.9486, 75.2759

Complementary

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



41.8334, 36.9486, 20.2562



35.3972, 41.0432, 71.0219

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.



33.9600, 36.9486, 78.9781



41.8334, 36.9486, 20.2562



26.2121, 36.9486, 53.8382

Square

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



41.8334, 36.9486, 20.2562



27.1879, 36.9486, 24.6944



29.1637, 36.9486, 70.2953



44.4584, 36.9486, 61.2084

Rectangle

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



41.8334, 36.9486, 20.2562



32.6458, 36.9486, 17.2156



29.1637, 36.9486, 70.2953



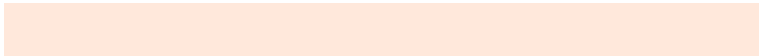
37.7131, 36.9486, 77.9050

Sweetspot

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



41.8343, 36.9504, 20.2569



82.8266, 83.9120, 79.0563



42.4879, 29.5374, 47.3576



17.3614, 17.4713, 16.0453



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.



41.8343, 36.9504, 20.2569



56.1778, 46.8810, 20.0256



51.5903, 56.4623, 23.5089



12.7713, 13.1169, 13.0194



18.3336, 11.7843, 1.3083



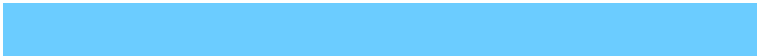
1.1819, 0.8631, 0.1043

Inverse Universe

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



35.3972, 41.0432, 71.0219



45.6700, 53.4411, 102.5158



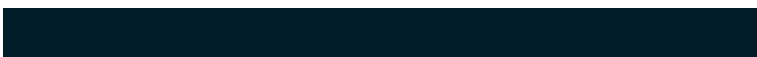
26.9713, 24.1915, 68.2133



12.4135, 13.3503, 15.8601



13.0976, 14.4571, 40.5533



0.8659, 1.0238, 2.4713

Previews

White Background



This preview shows how the XYZ color 41.8334, 36.9486, 20.2562 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 41.8334, 36.9486, 20.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

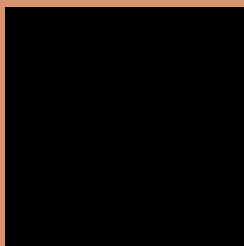
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8334, 36.9486, 20.2562

Background



This preview shows how black text looks on a background with the XYZ color 41.8334, 36.9486, 20.2562.



This preview shows how white text looks on a background with the XYZ color 41.8334, 36.9486,

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

41.8334, 36.9486, 20.2562

Protanopia

34.5097, 37.1129, 22.7974

Deuteranopia

37.8974, 37.1100, 19.9174



Tritanopia

44.6362, 36.7060, 34.8694

Trichromacy



Original Color

41.8334, 36.9486, 20.2562

Protanomaly

36.8651, 36.7910, 21.6814

Deuteranomaly

39.3267, 37.0963, 20.1265

Tritanomaly

43.4741, 36.6869, 28.8347

Monochromacy



Original Color

41.8334, 36.9486, 20.2562

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.8661, 36.5653, 31.9028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8334, 36.9486, 20.2562 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, 148, 112)` looks like.

```
.text, #text, p{  
    color:rgb(216, 148, 112)  
}
```

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, 148, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 148, 112) }
```

Border

The CSS property to change the border of an element to XYZ 41.8334, 36.9486, 20.2562 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, 148, 112) }
```


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

```
.border{ border-color:rgb(216, 148, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 148, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 148, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 148, 112);  
box-shadow:4px 4px 4px 4px rgb(216, 148,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8334, 36.9486, 20.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 148, 112) }
```

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

```
.background{ background-color: rgb(216,  
148, 112) }
```

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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