

Converting Colors

XYZ(42.2107, 36.6320, 9.7108)

Have a look what the booklet for
XYZ(42.2107, 36.6320, 9.7108)
contains.

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Color

**XYZ(42.1021, 36.6285,
9.7015)**

Conversions

Conversions Part 1

Format	Color
Hex	E19140
RGB	225, 145, 64
RGB Percent	88%, 57%, 25%
CMY	0.1177, 0.4313, 0.7490
CMYK	0.00, 0.36, 0.72, 0.12
HSL	30°, 73%, 57%
HSV	30°, 72%, 88%
XYZ	42.1021, 36.6285, 9.7015
YIQ	159.6860, 73.6810, -8.2310

Conversions

Conversions Part 2

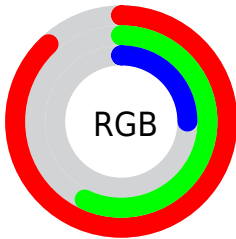
Format	Color
R _Y B	223, 225, 64
Decimal	14782784
CIE Lab	67.00, 23.40, 53.77
CIE LCh	67, 58.641, 66.483
Yxy	36.6285, 0.4761, 0.4142
Android (android.graphics.Color)	4292972864 (0xFFE19140)
YUV	159.6860, -47.1732, 57.2804
Hunter-Lab	60.5215, 18.2619, 32.8609

Details

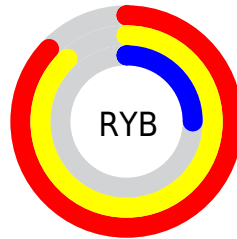
The XYZ color **42.1021, 36.6285, 9.7015** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.6776, 26.4714, 74.9897**, and the grayscale version is **33.4564, 35.1988, 38.3315**.

A 20% lighter version of the original color is **64.8158, 63.3678, 25.3380**, and **19.5526, 16.0179, 2.2335** is the 20% darker color. If you saturate the color by 10%, you get **39.9614, 33.1735, 6.4410**, and if you desaturate by 10%, it is **44.6708, 40.5268, 14.3787**.

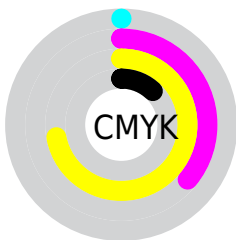
Distribution



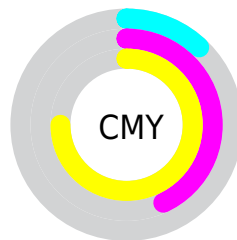
- Red (88%)
- Green (57%)
- Blue (25%)



- Red (87%)
- Yellow (88%)
- Blue (25%)



- Cyan (0%)
- Magenta (36%)
- Yellow (72%)
- Black (12%)





- Cyan (12%)
- Magenta (43%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1021, 36.6285, 9.7015 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 42.1021, 36.6285, 9.7015 by changing the saturation by 10% instead.


 42.1021, 36.6285,
9.7015


 42.1021, 36.6285,
9.7015

345.8904,
331.6993, 198.9349


 29.3727, 24.9200,
5.0985


 77.6183, 70.0010,
25.8315


 19.5086, 16.0175,
2.2454


 101.1359, 92.4339,
38.1956


 12.1446, 9.5365,
0.7004


 128.9802,
119.2102, 53.9837

 6.9151, 5.0927,
0.0000

 161.5166,
150.7146, 73.6145

 3.4549, 2.3018,
0.0000

 199.1104,
187.3313, 97.5065

 1.3987, 0.7747,
0.0000

242.1271,

 0.2553, 0.0000,

229.4447, 126.0782

0.0000

290.9320,
277.4392, 159.7482

■ 0.0000, 0.0000,
0.0000

■ 42.1021, 36.6285,
9.7015

■ 42.1021, 36.6285,
9.7015

■ 39.9614, 33.1735,
6.4410

■ 44.6708, 40.5268,
14.3787

■ 38.2080, 30.1331,
4.4187


■ 47.6972, 44.8830,
20.6181


■ 36.9792, 27.8637,
3.4292


■ 51.2109, 49.7176,
28.5490


■ 55.2376, 55.0479,
38.2868

■ 59.8014, 60.8900,
49.9364

 64.9242, 67.2591,
63.5945

 70.6268, 74.1699,
79.3516

 76.9290, 81.6362,
97.2922

 81.9414, 88.9081,
107.4499

Harmonies

Analogous

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



50.4732, 36.6285, 17.2558



42.1021, 36.6285, 9.7015



32.9168, 36.6285, 8.3092

Triad

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



42.1021, 36.6285, 9.7015



20.4238, 36.6285, 45.6783



46.0179, 36.6285, 93.7201

Complementary

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



42.1021, 36.6285, 9.7015



25.6776, 26.4714, 74.9897

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.



36.7833, 36.6285, 111.1278



42.1021, 36.6285, 9.7015



22.7837, 36.6285, 76.7152

Square

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



42.1021, 36.6285, 9.7015



21.3575, 36.6285, 23.3427



28.4201, 36.6285, 103.8496



52.9901, 36.6285, 62.8199

Rectangle

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



42.1021, 36.6285, 9.7015



27.7244, 36.6285, 10.1255



28.4201, 36.6285, 103.8496



43.0203, 36.6285, 101.8328

Sweetspot

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



42.1029, 36.6304, 9.7022



79.6873, 81.2016, 67.0098



37.9570, 21.7035, 28.7753



16.6782, 16.9022, 13.3594



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.



42.1029, 36.6304, 9.7022



51.8387, 41.9552, 7.0111



58.9015, 70.2276, 15.3017



14.2743, 14.8345, 14.4178



21.4264, 16.2906, 2.0151



1.5747, 1.3083, 0.1695

Inverse Universe

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



25.6776, 26.4714, 74.9897



28.8409, 27.7371, 98.4415



17.5386, 10.1934, 72.2767



13.5118, 14.3626, 17.4478



11.2740, 10.0176, 42.3877



0.8710, 0.8734, 2.9679

Previews

White Background



This preview shows how the XYZ color 42.1021, 36.6285, 9.7015 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 42.1021, 36.6285, 9.7015 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 42.1021, 36.6285, 9.7015

Background



This preview shows how black text looks on a background with the XYZ color 42.1021, 36.6285, 9.7015.



This preview shows how white text looks on a background with the XYZ color 42.1021, 36.6285,

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

42.1021, 36.6285, 9.7015

Protanopia

33.6410, 36.9257, 10.9845

Deuteranopia

37.4655, 36.6170, 9.5080



Tritanopia

46.6256, 36.5066, 31.7832

Trichromacy



Original Color

42.1021, 36.6285, 9.7015

Protanomaly

36.3588, 36.5250, 10.4439

Deuteranomaly

39.0875, 36.4781, 9.5383

Tritanomaly

44.3799, 36.2202, 21.1751

Monochromacy



Original Color

42.1021, 36.6285, 9.7015

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.1902, 35.1137, 24.3249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1021, 36.6285, 9.7015 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(225, 145, 64)` looks like.

```
.text, #text, p{  
    color:rgb(225, 145, 64)  
}
```

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(225, 145, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 145, 64) }
```

Border

The CSS property to change the border of an element to XYZ 42.1021, 36.6285, 9.7015 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(225, 145, 64) }
```


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

```
.border{ border-color:rgb(225, 145, 64) }
```

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

Here you see how a box with a 4 pixel rgb(225, 145, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 145, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 145, 64);  
box-shadow:4px 4px 4px 4px rgb(225, 145,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1021, 36.6285, 9.7015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 145, 64) }
```

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

```
.background{ background-color: rgb(225,  
145, 64) }
```

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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