

Converting Colors

XYZ(47.1528, 42.3201, 20.5014)

Have a look what the booklet for
XYZ(47.1528, 42.3201, 20.5014)
contains.

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Color

**XYZ(47.2075, 42.4160,
20.4509)**

Conversions

Conversions Part 1

Format	Color
Hex	E49F6E
RGB	228, 159, 110
RGB Percent	89%, 62%, 43%
CMY	0.1059, 0.3764, 0.5686
CMYK	0.00, 0.30, 0.52, 0.11
HSL	25°, 69%, 66%
HSV	25°, 52%, 89%
XYZ	47.2075, 42.4160, 20.4509
YIQ	174.0450, 56.8530, -0.6110

Conversions

Conversions Part 2

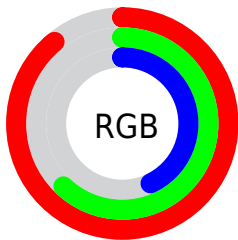
Format	Color
R_{YB}	228, 194, 110
Decimal	14983022
CIE _{Lab}	71.16, 20.29, 35.73
CIE _{LCh}	71, 41.093, 60.408
Yxy	42.4160, 0.4289, 0.3853
Android (android.graphics.Color)	4293173102 (0xFFE49F6E)
YUV	174.0450, -31.5742, 47.3185
Hunter-Lab	65.1276, 15.4119, 26.9715

Details

The XYZ color **47.2075, 42.4160, 20.4509** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.5534, 41.1549, 79.4156**, and the grayscale version is **40.3928, 42.4964, 46.2786**.

A 20% lighter version of the original color is **71.8082, 71.9618, 44.2877**, and **22.4622, 19.2873, 6.9538** is the 20% darker color. If you saturate the color by 10%, you get **43.9522, 37.6430, 14.0094**, and if you desaturate by 10%, it is **51.0315, 47.8155, 28.6582**.

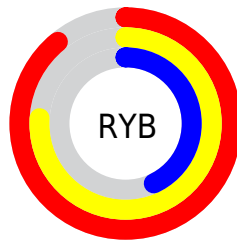
Distribution



Red (89%)

Green (62%)

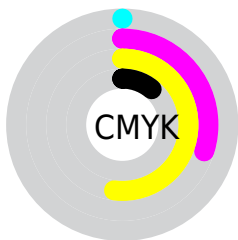
Blue (43%)



Red (89%)

Yellow (76%)

Blue (43%)

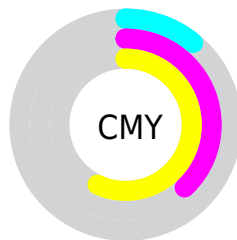


Cyan (0%)

Magenta (30%)

Yellow (52%)

Black (11%)



Cyan (11%)

Magenta (38%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2075, 42.4160, 20.4509 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 47.2075, 42.4160, 20.4509 by changing the saturation by 10% instead.


 47.2075, 42.4160,
20.4509


 47.2075, 42.4160,
20.4509


366.2773,
356.2045, 267.0303

 33.4084, 29.4272,
12.5359


 85.2401, 78.8288,
45.0407


 22.6002, 19.4042,
6.9828


 110.2043,
103.0216, 62.5527

 14.4176, 11.9627,
3.3731


 139.6209,
131.7179, 84.1006

 8.4953, 6.7183,
1.2881

 173.8553,
165.3019, 110.1032

 4.4680, 3.2866,
0.0520

213.2727,
204.1583, 140.9789

 1.9701, 1.2831,
0.0000

258.2386,

 0.6171, 0.1281,

248.6712, 177.1463

0.0000

309.1184,
299.2252, 219.0239

■ 0.0000, 0.0000,
0.0000

■ 47.2075, 42.4160,
20.4509

■ 47.2075, 42.4160,
20.4509

■ 43.9522, 37.6430,
14.0094

■ 51.0315, 47.8155,
28.6582

■ 41.2296, 33.4646,
9.1969

■ 55.4510, 53.8590,
38.7492

■ 39.0039, 29.8549,
5.8602

■ 60.4944, 60.5711,
50.8342

■ 37.2319, 26.7827,
3.8145

■ 66.1874, 67.9730,
65.0145

■ 36.0589, 24.6222,
2.8520

■ 72.5541, 76.0849,
81.3840

■ 79.6172, 84.9261,
100.0313

■ 84.9571, 93.5386,
108.1848

■ 85.8048, 95.2339,
108.4673

Harmonies

Analogous

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



52.8351, 42.4160, 29.5386



47.2075, 42.4160, 20.4509



40.2211, 42.4160, 17.7125

Triad

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



47.2075, 42.4160, 20.4509



28.4802, 42.4160, 46.4538



47.3888, 42.4160, 87.1731

Complementary

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



47.2075, 42.4160, 20.4509



36.5534, 41.1549, 79.4156

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.



40.4093, 42.4160, 95.3761



47.2075, 42.4160, 20.4509



29.9479, 42.4160, 68.1377

Square

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



47.2075, 42.4160, 20.4509



29.8708, 42.4160, 29.8864



34.1286, 42.4160, 87.5854



52.9479, 42.4160, 67.5346

Rectangle

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



47.2075, 42.4160, 20.4509



35.8758, 42.4160, 18.9971



34.1286, 42.4160, 87.5854



45.1064, 42.4160, 91.5730

Sweetspot

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



47.2085, 42.4181, 20.4517



82.0194, 83.3578, 75.5191



45.8909, 30.9742, 47.1687



17.2317, 17.4206, 15.3588



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.



47.2085, 42.4181, 20.4517



56.4119, 48.1591, 17.6072



59.4165, 66.8339, 24.5210



14.8662, 15.3464, 15.0831



20.9326, 14.4393, 1.6838



1.6367, 1.2468, 0.1544

Inverse Universe

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



36.5534, 41.1549, 79.4156



41.2403, 46.2982, 101.3706



27.3694, 22.7869, 76.3543



14.2795, 15.2804, 18.3411



13.0738, 13.2096, 44.2438



1.0573, 1.1585, 3.2999

Previews

White Background



This preview shows how the XYZ color 47.2075, 42.4160, 20.4509 looks on a white background.

Color Contrast Check

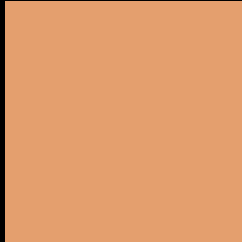
Large Text (above 18pt) WCAG AA × Fail

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 47.2075, 42.4160, 20.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

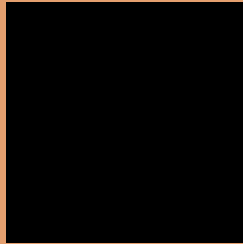
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2075, 42.4160, 20.4509

Background



This preview shows how black text looks on a background with the XYZ color 47.2075, 42.4160, 20.4509.



This preview shows how white text looks on a background with the XYZ color 47.2075, 42.4160,

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

47.2075, 42.4160, 20.4509

Protanopia

39.4686, 42.7397, 22.6924

Deuteranopia

43.3895, 42.5690, 20.1171



Tritanopia

51.2078, 42.2926, 40.5863

Trichromacy



Original Color

47.2075, 42.4160, 20.4509

Protanomaly

41.8538, 42.2873, 21.8759

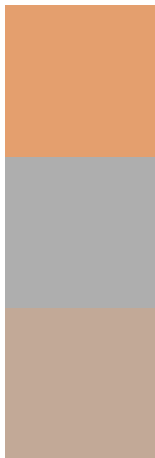
Deuteranomaly

44.6510, 42.4068, 20.3000

Tritanomaly

49.7104, 42.4452, 31.9583

Monochromacy



Original Color

47.2075, 42.4160, 20.4509

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.0220, 42.0796, 35.1855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2075, 42.4160, 20.4509 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(228, 159, 110)` looks like.

```
.text, #text, p{  
    color:rgb(228, 159, 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(228, 159, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 159, 110) }
```

Border

The CSS property to change the border of an element to XYZ 47.2075, 42.4160, 20.4509 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(228, 159, 110) }
```


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

```
.border{ border-color:rgb(228, 159, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 159, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 159, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 159, 110);  
box-shadow:4px 4px 4px 4px rgb(228, 159,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2075, 42.4160, 20.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 159, 110) }
```

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

```
.background{ background-color: rgb(228,  
159, 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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