

Converting Colors

XYZ(47.4249, 48.3388, 9.1013)

Have a look what the booklet for
XYZ(47.4249, 48.3388, 9.1013)
contains.

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Color

**XYZ(47.2966, 48.2619,
9.1082)**

Conversions

Conversions Part 1

Format	Color
Hex	E0B32B
RGB	224, 179, 43
RGB Percent	88%, 70%, 17%
CMY	0.1216, 0.2980, 0.8313
CMYK	0.00, 0.20, 0.81, 0.12
HSL	45°, 74%, 52%
HSV	45°, 81%, 88%
XYZ	47.2966, 48.2619, 9.1082
YIQ	176.9510, 70.4760, -32.7560

Conversions

Conversions Part 2

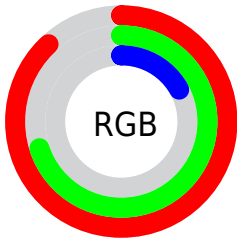
Format	Color
RYB	103, 224, 43
Decimal	14725931
CIELab	74.99, 4.02, 69.41
CIELCh	75, 69.526, 86.685
Yxy	48.2619, 0.4519, 0.4611
Android (android.graphics.Color)	4292916011 (0xFFE0B32B)
YUV	176.9510, -66.0378, 41.2620
Hunter-Lab	69.4708, -0.0488, 40.8561

Details

The XYZ color **47.2966, 48.2619, 9.1082** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **17.9406, 12.8748, 72.0599**, and the grayscale version is **42.0756, 44.2668, 48.2066**.

A 20% lighter version of the original color is **73.0118, 81.0452, 24.1071**, and **22.8992, 23.0713, 3.2463** is the 20% darker color. If you saturate the color by 10%, you get **45.8996, 45.9551, 7.1415**, and if you desaturate by 10%, it is **48.9662, 50.7537, 12.2785**.

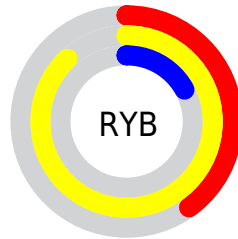
Distribution



Red (88%)

Green (70%)

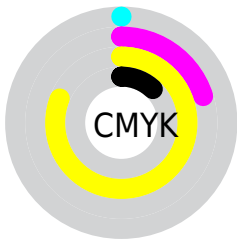
Blue (17%)



Red (40%)

Yellow (88%)

Blue (17%)

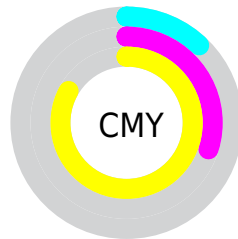


Cyan (0%)

Magenta (20%)

Yellow (81%)

Black (12%)



Cyan (12%)


Magenta (30%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2966, 48.2619, 9.1082 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 47.2966, 48.2619, 9.1082 by changing the saturation by 10% instead.


 47.2966, 48.2619,
9.1082


 47.2966, 48.2619,
9.1082


366.6264,
379.8293, 194.4307

 33.4791, 34.0343,
4.7140


 85.3722, 87.5942,
24.6851

 22.6547, 22.9200,
2.0247


 110.3611,
113.4678, 36.7049


 14.4581, 14.5344,
0.5704


 139.8045,
143.9921, 52.1036

 8.5238, 8.4933,
0.0000

 174.0677,
179.5516, 71.2999

 4.4865, 4.4122,
0.0000

 213.5162,
220.5307, 94.7122

 1.9809, 1.9067,
0.0000

 258.5152,

 0.6232, 0.5524,

267.3137, 122.7590

0.0000

309.4301,
320.2851, 155.8590

■ 0.0000, 0.0000,
0.0000

■ 47.2966, 48.2619,
9.1082

■ 47.2966, 48.2619,
9.1082

■ 45.8996, 45.9551,
7.1415

■ 48.9662, 50.7537,
12.2785

■ 44.8011, 43.9690,
6.1256

■ 50.9381, 53.4374,
16.8201

■ 53.2408, 56.3272,
22.8768

■ 55.8986, 59.4335,
30.5733

■ 58.9331, 62.7660,
40.0217

■ 62.3642, 66.3331,
51.3238

■ 66.2103, 70.1431,
64.5737

■ 70.4883, 74.2036,
79.8591

■ 75.2144, 78.5216,
97.2625

Harmonies

Analogous

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



60.6174, 48.2619, 13.1176



47.2966, 48.2619, 9.1082



35.7649, 48.2619, 11.5803

Triad

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



47.2966, 48.2619, 9.1082



27.3447, 48.2619, 90.5844



69.4271, 48.2619, 101.0211

Complementary

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



47.2966, 48.2619, 9.1082



17.9406, 12.8748, 72.0599

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.



57.7225, 48.2619, 142.9558



47.2966, 48.2619, 9.1082



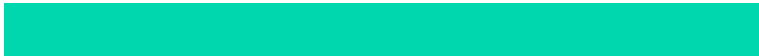
33.7348, 48.2619, 135.2267

Square

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



47.2966, 48.2619, 9.1082



25.5728, 48.2619, 48.6118



44.4753, 48.2619, 157.7104



74.7906, 48.2619, 56.6933

Rectangle

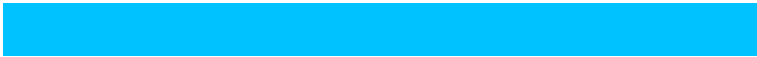
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2966, 48.2619, 9.1082



30.3125, 48.2619, 17.7150



44.4753, 48.2619, 157.7104



66.0094, 48.2619, 116.5265

Sweetspot

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



47.2977, 48.2643, 9.1091



82.0524, 87.3405, 63.4550



33.3763, 18.2841, 11.0579



17.2098, 18.3273, 12.4209



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.



47.2977, 48.2643, 9.1091



60.4651, 59.6431, 8.5451



45.6245, 63.0394, 12.0492



14.5681, 15.4222, 14.5157



26.1730, 25.7840, 3.5973



1.8835, 1.9258, 0.2725

Inverse Universe

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



17.9406, 12.8748, 72.0599



20.2824, 11.5427, 95.7667



18.3671, 9.1971, 71.3276



13.2275, 13.7941, 17.3530



8.7225, 4.9146, 41.5372



0.6748, 0.4812, 2.9025

Previews

White Background



This preview shows how the XYZ color 47.2966, 48.2619, 9.1082 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 47.2966, 48.2619, 9.1082 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 47.2966, 48.2619, 9.1082

Background



This preview shows how black text looks on a background with the XYZ color 47.2966, 48.2619, 9.1082.



This preview shows how white text looks on a background with the XYZ color 47.2966, 48.2619,

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

47.2966, 48.2619, 9.1082

Protanopia

43.8350, 48.2973, 9.4946

Deuteranopia

49.0823, 48.0052, 9.1616



Tritanopia

55.6612, 48.2564, 49.5608

Trichromacy



Original Color

47.2966, 48.2619, 9.1082

Protanomaly

45.1197, 48.3450, 9.3363

Deuteranomaly

48.2931, 47.8905, 9.0814

Tritanomaly

51.2253, 47.5605, 27.5993

Monochromacy



Original Color

47.2966, 48.2619, 9.1082

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.0648, 44.8686, 26.8655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2966, 48.2619, 9.1082 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(224, 179, 43)` looks like.

```
.text, #text, p{  
    color:rgb(224, 179, 43)  
}
```

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(224, 179, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 179, 43) }
```

Border

The CSS property to change the border of an element to XYZ 47.2966, 48.2619, 9.1082 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(224, 179, 43) }
```


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

```
.border{ border-color:rgb(224, 179, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 179, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 179, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 179, 43);  
box-shadow:4px 4px 4px 4px rgb(224, 179,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2966, 48.2619, 9.1082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 179, 43) }
```

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

```
.background{ background-color: rgb(224,  
179, 43) }
```

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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