

Converting Colors

XYZ(47.7169, 49.8872, 9.4606)

Have a look what the booklet for
XYZ(47.7169, 49.8872, 9.4606)
contains.

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Color

**XYZ(47.7193, 49.9924,
9.5173)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB82C
RGB	222, 184, 44
RGB Percent	87%, 72%, 17%
CMY	0.1294, 0.2784, 0.8274
CMYK	0.00, 0.17, 0.80, 0.13
HSL	47°, 73%, 52%
HSV	47°, 80%, 87%
XYZ	47.7193, 49.9924, 9.5173
YIQ	179.4020, 67.5880, -35.4840

Conversions

Conversions Part 2

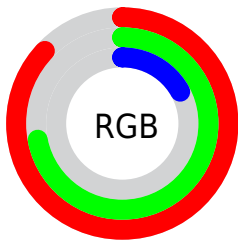
Format	Color
R_{YB}	92, 222, 44
Decimal	14596140
CIE _{Lab}	76.06, 0.56, 69.97
CIE _{LCh}	76, 69.975, 89.538
Yxy	49.9924, 0.4450, 0.4662
Android (android.graphics.Color)	4292786220 (0xFFDEB82C)
YUV	179.4020, -66.7532, 37.3584
Hunter-Lab	70.7053, -3.2639, 41.5130

Details

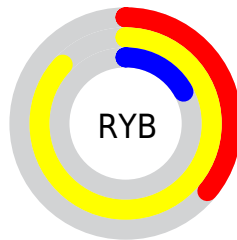
The XYZ color **47.7193, 49.9924, 9.5173** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **17.2409, 11.8440, 70.4841**, and the grayscale version is **43.3840, 45.6433, 49.7056**.

A 20% lighter version of the original color is **74.7984, 84.5395, 24.9458**, and **23.0166, 23.9140, 3.4028** is the 20% darker color. If you saturate the color by 10%, you get **46.4407, 47.9341, 7.5538**, and if you desaturate by 10%, it is **49.2561, 52.2107, 12.6677**.

Distribution



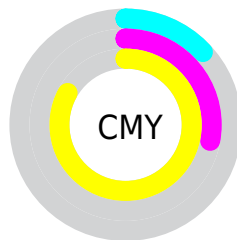
- Red (87%)
- Green (72%)
- Blue (17%)



- Red (36%)
- Yellow (87%)
- Blue (17%)



- Cyan (0%)
- Magenta (17%)
- Yellow (80%)
- Black (13%)





- Cyan (13%)
- Magenta (28%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7193, 49.9924, 9.5173 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 47.7193, 49.9924, 9.5173 by changing the saturation by 10% instead.


 47.7193, 49.9924,
9.5173


 47.7193, 49.9924,
9.5173


368.2796,
386.6362, 197.5494

 33.8150, 35.4074,
4.9787


 85.9985, 90.1636,
25.4770

 22.9137, 23.9768,
2.1763


 111.1042,
116.5186, 37.7352


 14.6501, 15.3164,
0.6606


 140.6743,
147.5656, 53.4037

 8.6589, 9.0418,
0.0000

 175.0743,
183.6892, 72.9010

 4.5747, 4.7684,
0.0000

 214.6694,
225.2736, 96.6457

 2.0321, 2.1120,
0.0000

 259.8251,

 0.6519, 0.6714,

272.7034, 125.0563

0.0000

310.9067,
326.3628, 158.5513

■ 0.0000, 0.0000,
0.0000

■ 47.7193, 49.9924,
9.5173

■ 47.7193, 49.9924,
9.5173

■ 46.4407, 47.9341,
7.5538

■ 49.2561, 52.2107,
12.6677

■ 45.3787, 46.0389,
6.4947

■ 51.0793, 54.5948,
17.1666

■ 53.2164, 57.1582,
23.1532

■ 55.6908, 59.9108,
30.7487

■ 58.5234, 62.8614,
40.0617

■ 61.7334, 66.0182,
51.1915

■ 65.3383, 69.3886,
64.2296

■ 69.3547, 72.9798,
79.2613

■ 73.7980, 76.7983,
96.3670

Harmonies

Analogous

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



61.4327, 49.9924, 12.9739



47.7193, 49.9924, 9.5173



36.1702, 49.9924, 12.7520

Triad

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



47.7193, 49.9924, 9.5173



28.8305, 49.9924, 98.1954



72.6429, 49.9924, 99.6932

Complementary

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



47.7193, 49.9924, 9.5173



17.2409, 11.8440, 70.4841

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.



61.0169, 49.9924, 144.1585



47.7193, 49.9924, 9.5173



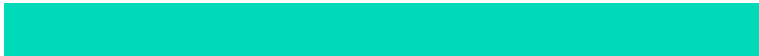
35.8782, 49.9924, 143.0499

Square

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



47.7193, 49.9924, 9.5173



26.5524, 49.9924, 53.8547



47.3138, 49.9924, 162.8153



77.3444, 49.9924, 55.0159

Rectangle

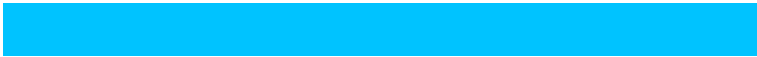
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.7193, 49.9924, 9.5173



30.8427, 49.9924, 19.8068



47.3138, 49.9924, 162.8153



69.3214, 49.9924, 115.7889

Sweetspot

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



47.7204, 49.9948, 9.5183



82.6884, 88.6126, 63.6670



32.5697, 17.9492, 9.8450



17.3643, 18.6364, 12.4724



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.



47.7204, 49.9948, 9.5183



62.5920, 63.8746, 9.3230



43.4944, 61.1459, 11.8934



14.6105, 15.5069, 14.5299



27.0381, 27.5142, 3.8857



1.9368, 2.0325, 0.2902

Inverse Universe

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



17.2409, 11.8440, 70.4841



19.9251, 10.7806, 95.6384



18.7467, 9.4786, 69.9482



13.1880, 13.7151, 17.3399



8.5106, 4.4907, 41.4666



0.6551, 0.4416, 2.8960

Previews

White Background



This preview shows how the XYZ color 47.7193, 49.9924, 9.5173 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 47.7193, 49.9924, 9.5173 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 47.7193, 49.9924, 9.5173

Background



This preview shows how black text looks on a background with the XYZ color 47.7193, 49.9924, 9.5173.



This preview shows how white text looks on a background with the XYZ color 47.7193, 49.9924,

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

47.7193, 49.9924, 9.5173

Protanopia

45.3208, 50.0048, 9.7458

Deuteranopia

51.0256, 49.8789, 9.6276



Tritanopia

56.7882, 50.1636, 52.5884

Trichromacy



Original Color

47.7193, 49.9924, 9.5173

Protanomaly

46.2683, 50.1772, 9.7292

Deuteranomaly

49.7694, 49.8287, 9.5795

Tritanomaly

51.8233, 49.2659, 29.3321

Monochromacy



Original Color

47.7193, 49.9924, 9.5173

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.0588, 46.2616, 27.7790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7193, 49.9924, 9.5173 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(222, 184, 44)` looks like.

```
.text, #text, p{  
    color:rgb(222, 184, 44)  
}
```

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(222, 184, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 184, 44) }
```

Border

The CSS property to change the border of an element to XYZ 47.7193, 49.9924, 9.5173 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(222, 184, 44) }
```


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

```
.border{ border-color:rgb(222, 184, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 184, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 184, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 184, 44);  
box-shadow:4px 4px 4px 4px rgb(222, 184,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7193, 49.9924, 9.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 184, 44) }
```

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

```
.background{ background-color: rgb(222,  
184, 44) }
```

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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