

Converting Colors

XYZ(47.1377, 44.8734, 10.0971)

Have a look what the booklet for
XYZ(47.1377, 44.8734, 10.0971)
contains.

XYZ(47.0542, 44.9587, 10.0688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.0542, 44.9587,
10.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	E5A839
RGB	229, 168, 57
RGB Percent	90%, 66%, 22%
CMY	0.1020, 0.3412, 0.7765
CMYK	0.00, 0.27, 0.75, 0.10
HSL	39°, 77%, 56%
HSV	39°, 75%, 90%
XYZ	47.0542, 44.9587, 10.0688
YIQ	173.5850, 71.9870, -21.5890

Conversions

Conversions Part 2

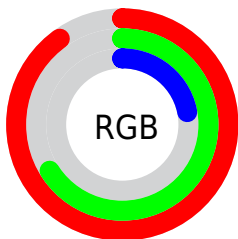
Format	Color
RYB	152, 229, 57
Decimal	15050809
CIELab	72.86, 12.50, 62.77
CIELCh	73, 64.006, 78.736
Yxy	44.9587, 0.4609, 0.4404
Android (android.graphics.Color)	4293240889 (0xFFE5A839)
YUV	173.5850, -57.4764, 48.5990
Hunter-Lab	67.0512, 7.9253, 38.0325

Details

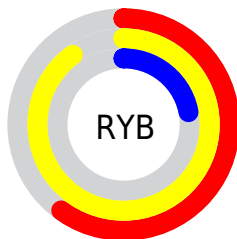
The XYZ color **47.0542, 44.9587, 10.0688** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **22.3083, 19.4831, 76.7129**, and the grayscale version is **40.2798, 42.3775, 46.1491**.

A 20% lighter version of the original color is **70.4969, 75.1830, 25.8351**, and **22.6076, 20.9258, 2.8475** is the 20% darker color. If you saturate the color by 10%, you get **45.1540, 41.8760, 7.2242**, and if you desaturate by 10%, it is **49.3075, 48.3362, 14.3018**.

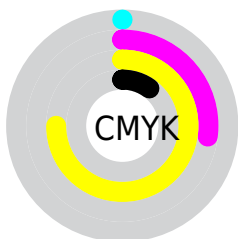
Distribution



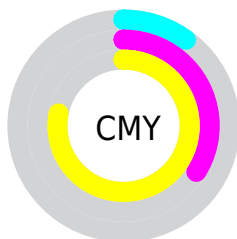
- Red (90%)
- Green (66%)
- Blue (22%)



- Red (60%)
- Yellow (90%)
- Blue (22%)



- Cyan (0%)
- Magenta (27%)
- Yellow (75%)
- Black (10%)



- Cyan (10%)
- Magenta (34%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0542, 44.9587, 10.0688 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 47.0542, 44.9587, 10.0688 by changing the saturation by 10% instead.

47.0542, 44.9587,
10.0688

47.0542, 44.9587,
10.0688

365.6761,
366.6063, 201.6650

33.2866, 31.4249,
5.3384

85.0128, 82.6584,
26.5347

22.5064, 20.9226,
2.3850

109.9345,
107.5932, 39.1072

14.3481, 13.0674,
0.7782

139.3050,
137.0970, 55.1309

8.4465, 7.4750,
0.0000

173.4895,
171.5543, 75.0242

4.4362, 3.7609,
0.0000

212.8536,
211.3495, 99.2058

1.9517, 1.5407,
0.0000

257.7625,

0.6066, 0.3171,

256.8669, 128.0940

0.0000

308.5815,
308.4911, 162.1076

■ 0.0000, 0.0000,
0.0000

■ 47.0542, 44.9587,
10.0688

■ 47.0542, 44.9587,
10.0688

■ 45.1540, 41.8760,
7.2242

■ 49.3075, 48.3362,
14.3018

■ 43.5645, 39.0627,
5.5666

■ 51.9432, 52.0172,
20.0830

■ 42.8701, 37.7724,
5.0313

■ 54.9903, 56.0179,
27.5528

■ 58.4738, 60.3507,
36.8351

■ 62.4165, 65.0272,
48.0420

■ 66.8393, 70.0581,
61.2765

■ 71.7617, 75.4536,
76.6344

■ 77.2022, 81.2233,
94.2051

■ 81.8456, 86.8435,
107.0565

Harmonies

Analogous

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



58.4743, 44.9587, 15.8021



47.0542, 44.9587, 10.0688



36.2138, 44.9587, 10.8072

Triad

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



47.0542, 44.9587, 10.0688



25.4863, 44.9587, 71.4212



60.9414, 44.9587, 101.5864

Complementary

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



47.0542, 44.9587, 10.0688



22.3083, 19.4831, 76.7129

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.



49.9887, 44.9587, 133.0673



47.0542, 44.9587, 10.0688



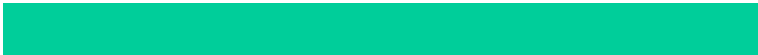
30.1035, 44.9587, 111.0649

Square

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



47.0542, 44.9587, 10.0688



24.9778, 44.9587, 37.9202



38.6827, 44.9587, 137.1387



67.3720, 44.9587, 61.9402

Rectangle

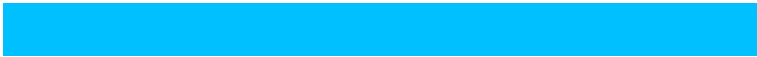
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.0542, 44.9587, 10.0688



30.6803, 44.9587, 14.9975



38.6827, 44.9587, 137.1387



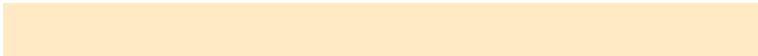
57.5866, 44.9587, 114.0957

Sweetspot

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



47.0552, 44.9609, 10.0697



80.7240, 84.2220, 64.4355



37.1705, 20.9422, 19.8744



16.8626, 17.5448, 12.5772



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.



47.0552, 44.9609, 10.0697



56.4827, 51.4560, 7.9033



54.2297, 69.4648, 14.4213



15.1491, 15.9120, 15.1773



24.6287, 21.8315, 2.9158



1.9067, 1.7868, 0.2444

Inverse Universe

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



22.3083, 19.4831, 76.7129



23.7090, 17.9245, 96.8179



18.9090, 10.2864, 75.1169



13.9989, 14.7192, 18.2476



9.8803, 6.8227, 43.1793



0.8152, 0.6744, 3.2192

Previews

White Background



This preview shows how the XYZ color 47.0542, 44.9587, 10.0688 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 47.0542, 44.9587, 10.0688 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 47.0542, 44.9587, 10.0688

Background



This preview shows how black text looks on a background with the XYZ color 47.0542, 44.9587, 10.0688.



This preview shows how white text looks on a background with the XYZ color 47.0542, 44.9587,

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

47.0542, 44.9587, 10.0688

Protanopia

40.7551, 44.8458, 10.7830

Deuteranopia

45.8290, 44.8823, 9.9891



Tritanopia

53.8105, 44.8114, 43.3495

Trichromacy



Original Color

47.0542, 44.9587, 10.0688

Protanomaly

42.9834, 44.8246, 10.5242

Deuteranomaly

46.2658, 44.8302, 9.9560

Tritanomaly

50.2454, 44.3719, 26.3385

Monochromacy



Original Color

47.0542, 44.9587, 10.0688

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.0974, 42.6131, 27.5318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0542, 44.9587, 10.0688 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(229, 168, 57)` looks like.

```
.text, #text, p{  
    color:rgb(229, 168, 57)  
}
```

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(229, 168, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 168, 57) }
```

Border

The CSS property to change the border of an element to XYZ 47.0542, 44.9587, 10.0688 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(229, 168, 57) }
```


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

```
.border{ border-color:rgb(229, 168, 57) }
```

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

Here you see how a box with a 4 pixel rgb(229, 168, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 168, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 168, 57);  
box-shadow:4px 4px 4px 4px rgb(229, 168,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0542, 44.9587, 10.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 168, 57) }
```

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

```
.background{ background-color: rgb(229,  
168, 57) }
```

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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