

Converting Colors

XYZ(49.6740, 47.2038, 10.6992)

Have a look what the booklet for
XYZ(49.6740, 47.2038, 10.6992)
contains.

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Color

**XYZ(49.6395, 47.1142,
10.7526)**

Conversions

Conversions Part 1

Format	Color
Hex	EBAB3C
RGB	235, 171, 60
RGB Percent	92%, 67%, 24%
CMY	0.0784, 0.3294, 0.7647
CMYK	0.00, 0.27, 0.74, 0.08
HSL	38°, 81%, 58%
HSV	38°, 74%, 92%
XYZ	49.6395, 47.1142, 10.7526
YIQ	177.4820, 73.7750, -20.9530

Conversions

Conversions Part 2

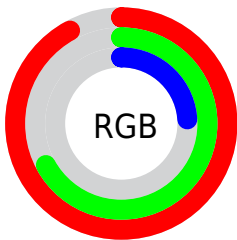
Format	Color
RYB	161, 235, 60
Decimal	15444796
CIELab	74.26, 13.59, 63.18
CIELCh	74, 64.626, 77.860
Yxy	47.1142, 0.4617, 0.4382
Android (android.graphics.Color)	4293634876 (0xFFEBAB3C)
YUV	177.4820, -57.9186, 50.4433
Hunter-Lab	68.6398, 8.9695, 38.7599

Details

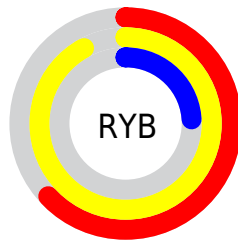
The XYZ color **49.6395, 47.1142, 10.7526** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **24.0662, 21.3733, 81.4539**, and the grayscale version is **42.3132, 44.5167, 48.4787**.

A 20% lighter version of the original color is **71.4736, 76.8676, 26.9895**, and **24.2760, 22.3076, 3.0263** is the 20% darker color. If you saturate the color by 10%, you get **47.5801, 43.7789, 7.6521**, and if you desaturate by 10%, it is **52.0822, 50.7756, 15.3415**.

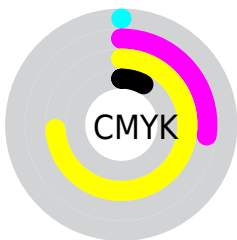
Distribution



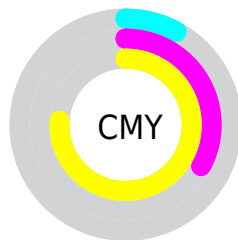
- Red (92%)
- Green (67%)
- Blue (24%)



- Red (63%)
- Yellow (92%)
- Blue (24%)



- Cyan (0%)
- Magenta (27%)
- Yellow (74%)
- Black (8%)



- Cyan (8%)
- Magenta (33%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6395, 47.1142, 10.7526 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 49.6395, 47.1142, 10.7526 by changing the saturation by 10% instead.

49.6395, 47.1142,
10.7526

49.6395, 47.1142,
10.7526

375.7298,
375.2702, 206.6384

35.3437, 33.1259,
5.7887

88.8355, 85.8841,
27.8314

24.0955, 22.2229,
2.6503

114.4664,
111.4345, 40.7833

15.5296, 14.0208,
0.9183

144.6064,
141.6077, 57.2350

9.2806, 8.1351,
0.0000

179.6208,
176.7881, 77.6049

4.9832, 4.1815,
0.0000

219.8750,
217.3602, 102.3117

2.2721, 1.7756,
0.0000

265.7343,

0.7803, 0.4719,

263.7083, 131.7739

0.0000

317.5642,
316.2169, 166.4099

■ 0.0000, 0.0000,
0.0000

■ 49.6395, 47.1142,
10.7526

■ 49.6395, 47.1142,
10.7526

■ 47.5801, 43.7789,
7.6521

■ 52.0822, 50.7756,
15.3415

■ 45.8592, 40.7427,
5.8280


■ 54.9394, 54.7728,
21.5874


■ 45.0184, 39.1772,
5.1892


■ 58.2418, 59.1231,
29.6389

■ 62.0162, 63.8402,
39.6270

■ 66.2868, 68.9365,
51.6708

 71.0760, 74.4238,
65.8794

 76.4047, 80.3133,
82.3543

 82.2924, 86.6154,
101.1905

 85.9853, 92.2312,
107.8782

Harmonies

Analogous

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



61.4836, 47.1142, 17.0049



49.6395, 47.1142, 10.7526



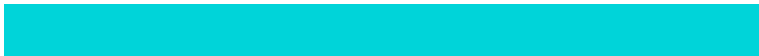
38.2796, 47.1142, 11.3456

Triad

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



49.6395, 47.1142, 10.7526



26.7219, 47.1142, 73.5016



63.4491, 47.1142, 107.2358

Complementary

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



49.6395, 47.1142, 10.7526



24.0662, 21.3733, 81.4539

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.



51.9790, 47.1142, 139.3394



49.6395, 47.1142, 10.7526



31.4150, 47.1142, 114.7779

Square

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



49.6395, 47.1142, 10.7526



26.3155, 47.1142, 38.9985



40.2497, 47.1142, 142.5772



70.3313, 47.1142, 65.9478

Rectangle

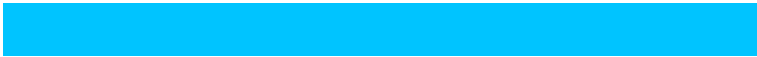
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6395, 47.1142, 10.7526



32.4339, 47.1142, 15.5772



40.2497, 47.1142, 142.5772



59.9197, 47.1142, 120.1073

Sweetspot

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



49.6406, 47.1166, 10.7535



81.0983, 84.5011, 66.0080



39.5256, 22.3537, 21.3562



17.0371, 17.7127, 13.1932



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.



49.6406, 47.1166, 10.7535



56.2043, 50.8522, 7.9549



57.5793, 73.6902, 15.4643



15.8620, 16.6470, 15.8959



25.1806, 22.0555, 2.9300



2.0684, 1.9141, 0.2604

Inverse Universe

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



24.0662, 21.3733, 81.4539



24.2193, 18.8456, 96.9688



20.2084, 11.0845, 79.6713



14.6822, 15.4509, 19.1307



10.3060, 7.2589, 44.6009



0.8982, 0.7478, 3.5319

Previews

White Background



This preview shows how the XYZ color 49.6395, 47.1142, 10.7526 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 49.6395, 47.1142, 10.7526 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 49.6395, 47.1142, 10.7526

Background



This preview shows how black text looks on a background with the XYZ color 49.6395, 47.1142, 10.7526.



This preview shows how white text looks on a background with the XYZ color 49.6395, 47.1142,

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

49.6395, 47.1142, 10.7526

Protanopia

43.0075, 47.2050, 11.5474

Deuteranopia

48.2386, 47.2459, 10.7146



Tritanopia

56.6351, 46.9974, 45.1161

Trichromacy



Original Color

49.6395, 47.1142, 10.7526

Protanomaly

45.3085, 47.1869, 11.2774

Deuteranomaly

48.6880, 47.1918, 10.6805

Tritanomaly

52.9688, 46.5403, 27.6642

Monochromacy



Original Color

49.6395, 47.1142, 10.7526

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.9218, 44.3869, 28.8596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6395, 47.1142, 10.7526 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(235, 171, 60)` looks like.

```
.text, #text, p{  
    color:rgb(235, 171, 60)  
}
```

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(235, 171, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 171, 60) }
```

Border

The CSS property to change the border of an element to XYZ 49.6395, 47.1142, 10.7526 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(235, 171, 60) }
```


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

```
.border{ border-color:rgb(235, 171, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 171, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 171, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 171, 60);  
box-shadow:4px 4px 4px 4px rgb(235, 171,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6395, 47.1142, 10.7526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 171, 60) }
```

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

```
.background{ background-color: rgb(235,  
171, 60) }
```

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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