

Converting Colors

XYZ(48.3518, 47.3653, 7.9605)

Have a look what the booklet for
XYZ(48.3518, 47.3653, 7.9605)
contains.

XYZ(48.3518, 47.3653, 7.9605)	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(48.3518, 47.3653,
7.9605)**

Conversions

Conversions Part 1

Format	Color
Hex	E7AE20
RGB	231, 174, 32
RGB Percent	91%, 68%, 13%
CMY	0.0941, 0.3176, 0.8745
CMYK	0.00, 0.25, 0.86, 0.09
HSL	43°, 81%, 52%
HSV	43°, 86%, 91%
XYZ	48.3518, 47.3653, 7.9605
YIQ	174.8550, 79.5540, -32.0780

Conversions

Conversions Part 2

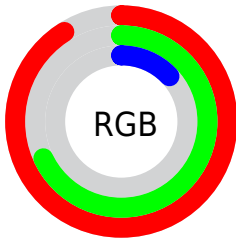
Format	Color
RYB	112, 231, 32
Decimal	15183392
CIELab	74.42, 9.39, 72.27
CIELCh	74, 72.880, 82.598
Yxy	47.3653, 0.4664, 0.4569
Android (android.graphics.Color)	4293373472 (0xFFE7AE20)
YUV	174.8550, -70.4275, 49.2392
Hunter-Lab	68.8225, 4.9674, 41.3178

Details

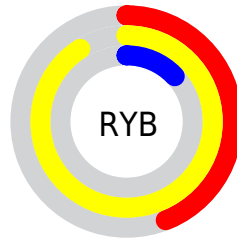
The XYZ color **48.3518, 47.3653, 7.9605** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **18.5920, 13.2215, 77.1730**, and the grayscale version is **40.9980, 43.1331, 46.9720**.

A 20% lighter version of the original color is **71.2351, 78.0889, 21.6741**, and **23.5371, 22.4651, 3.0957** is the 20% darker color. If you saturate the color by 10%, you get **46.8939, 44.7890, 6.4293**, and if you desaturate by 10%, it is **50.0941, 50.1600, 10.6695**.

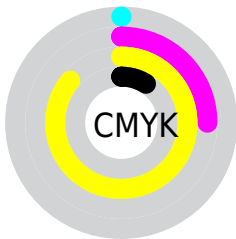
Distribution



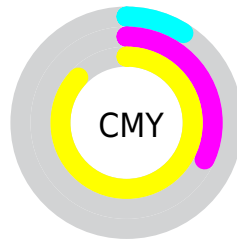
- Red (91%)
- Green (68%)
- Blue (13%)



- Red (44%)
- Yellow (91%)
- Blue (13%)



- Cyan (0%)
- Magenta (25%)
- Yellow (86%)
- Black (9%)





- Cyan (9%)
- Magenta (32%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3518, 47.3653, 7.9605 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 48.3518, 47.3653, 7.9605 by changing the saturation by 10% instead.


 48.3518, 47.3653,
7.9605


 48.3518, 47.3653,
7.9605


370.7443,
376.2708, 185.3449

 34.3180, 33.3245,
3.9823


 86.9345, 86.2586,
22.4259


 23.3020, 22.3752,
1.6156


 112.2141,
111.8800, 33.7501

 14.9386, 14.1328,
0.3019


 141.9730,
142.1304, 48.3600

 8.8623, 8.2131,
0.0000

 176.5765,
177.3941, 66.6743

 4.7079, 4.2316,
0.0000

 216.3901,
218.0556, 89.1113

 2.1099, 1.8040,
0.0000

 261.7790,

 0.6946, 0.4896,

264.4993, 116.0898

0.0000

313.1086,
317.1096, 148.0281

■ 0.0000, 0.0000,
0.0000

■ 48.3518, 47.3653,
7.9605

■ 48.3518, 47.3653,
7.9605

■ 46.8939, 44.7890,
6.4293

■ 50.0941, 50.1600,
10.6695

■ 46.3809, 43.8411,
6.0176

■ 52.1583, 53.1837,
14.7631

■ 54.5782, 56.4532,
20.4109

■ 57.3821, 59.9811,
27.7571

■ 60.5949, 63.7789,
36.9296

■ 64.2394, 67.8568,
48.0437

■ 68.3363, 72.2244,
61.2054

■ 72.9052, 76.8908,
76.5128

■ 77.9641, 81.8646,
94.0576

Harmonies

Analogous

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



62.1671, 47.3653, 12.8124



48.3518, 47.3653, 7.9605



35.9955, 47.3653, 9.4716

Triad

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



48.3518, 47.3653, 7.9605



25.4973, 47.3653, 84.6567



68.2089, 47.3653, 109.1589

Complementary

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



48.3518, 47.3653, 7.9605



18.5920, 13.2215, 77.1730

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.



55.4376, 47.3653, 151.3106



48.3518, 47.3653, 7.9605



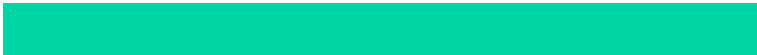
31.3560, 47.3653, 133.0066

Square

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



48.3518, 47.3653, 7.9605



24.3322, 47.3653, 42.8049



41.8435, 47.3653, 161.6843



74.9942, 47.3653, 61.4630

Rectangle

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



48.3518, 47.3653, 7.9605



29.9980, 47.3653, 14.5513



41.8435, 47.3653, 161.6843



64.3674, 47.3653, 125.2366

Sweetspot

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



48.3529, 47.3677, 7.9614



80.3914, 84.9184, 60.1274



35.3904, 18.7898, 11.8192



16.8536, 17.7869, 11.7720



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.



48.3529, 47.3677, 7.9614



57.9609, 54.7019, 7.5036



50.3730, 68.3582, 11.9065



15.2346, 16.0830, 15.2058



26.1131, 24.8003, 3.4106



2.0081, 1.9895, 0.2782

Inverse Universe

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



18.5920, 13.2215, 77.1730



20.4348, 11.9896, 95.8449



17.5984, 8.1732, 76.2509



13.9174, 14.5561, 18.2204



9.2754, 5.6130, 42.9777



0.7629, 0.5697, 3.2017

Previews

White Background



This preview shows how the XYZ color 48.3518, 47.3653, 7.9605 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 48.3518, 47.3653, 7.9605 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 48.3518, 47.3653, 7.9605

Background



This preview shows how black text looks on a background with the XYZ color 48.3518, 47.3653, 7.9605.



This preview shows how white text looks on a background with the XYZ color 48.3518, 47.3653,

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

48.3518, 47.3653, 7.9605

Protanopia

42.8975, 47.5241, 8.5022

Deuteranopia

48.3518, 47.3653, 7.9605



Tritanopia

56.1569, 47.2474, 46.2043

Trichromacy



Original Color

48.3518, 47.3653, 7.9605

Protanomaly

44.6343, 47.2051, 8.2724

Deuteranomaly

48.3518, 47.3653, 7.9605

Tritanomaly

51.7411, 46.5104, 24.6627

Monochromacy



Original Color

48.3518, 47.3653, 7.9605

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.4108, 43.6921, 24.9897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3518, 47.3653, 7.9605 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(231, 174, 32)` looks like.

```
.text, #text, p{  
    color:rgb(231, 174, 32)  
}
```

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(231, 174, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 174, 32) }
```

Border

The CSS property to change the border of an element to XYZ 48.3518, 47.3653, 7.9605 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(231, 174, 32) }
```


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

```
.border{ border-color:rgb(231, 174, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 174, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 174, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 174, 32);  
box-shadow:4px 4px 4px 4px rgb(231, 174,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3518, 47.3653, 7.9605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 174, 32) }
```

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

```
.background{ background-color: rgb(231,  
174, 32) }
```

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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