

Converting Colors

XYZ(47.2449, 43.3091, 10.6408)

Have a look what the booklet for
XYZ(47.2449, 43.3091, 10.6408)
contains.

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Color

**XYZ(47.4218, 43.5232,
10.6040)**

Conversions

Conversions Part 1

Format	Color
Hex	E9A23F
RGB	233, 162, 63
RGB Percent	91%, 64%, 25%
CMY	0.0863, 0.3647, 0.7529
CMYK	0.00, 0.30, 0.73, 0.09
HSL	35°, 79%, 58%
HSV	35°, 73%, 91%
XYZ	47.4218, 43.5232, 10.6040
YIQ	171.9430, 74.0950, -15.7370

Conversions

Conversions Part 2

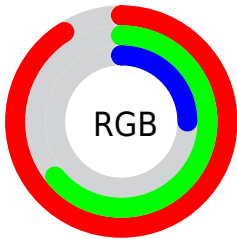
Format	Color
RYB	185, 233, 63
Decimal	15311423
CIELab	71.91, 17.65, 59.55
CIELCh	72, 62.111, 73.490
Yxy	43.5232, 0.4670, 0.4286
Android (android.graphics.Color)	4293501503 (0xFFE9A23F)
YUV	171.9430, -53.7089, 53.5470
Hunter-Lab	65.9721, 12.8574, 36.6505

Details

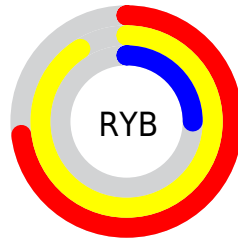
The XYZ color **47.4218, 43.5232, 10.6040** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **25.2824, 23.9890, 80.3880**, and the grayscale version is **39.4219, 41.4749, 45.1662**.

A 20% lighter version of the original color is **69.2052, 72.1467, 26.8012**, and **22.8095, 20.0361, 2.6652** is the 20% darker color. If you saturate the color by 10%, you get **45.2551, 40.0209, 7.3207**, and if you desaturate by 10%, it is **49.9985, 47.4053, 15.3831**.

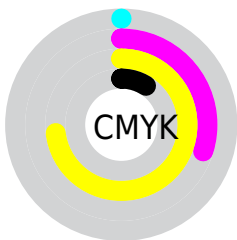
Distribution



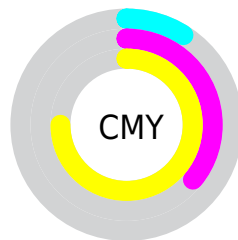
- Red (91%)
- Green (64%)
- Blue (25%)



- Red (73%)
- Yellow (91%)
- Blue (25%)



- Cyan (0%)
- Magenta (30%)
- Yellow (73%)
- Black (9%)



- Cyan (9%)
- Magenta (36%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4218, 43.5232, 10.6040 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 47.4218, 43.5232, 10.6040 by changing the saturation by 10% instead.

47.4218, 43.5232,
10.6040

47.4218, 43.5232,
10.6040

367.1165,
360.7590, 205.5692

33.5786, 30.2958,
5.6904

85.5578, 80.4998,
27.5509

22.7314, 20.0632,
2.5920

110.5813,
105.0178, 40.4213

14.5149, 12.4410,
0.8883

140.0623,
134.0682, 56.7811

8.5637, 7.0448,
0.0000

174.3661,
168.0353, 77.0487

4.5126, 3.4901,
0.0000

213.8580,
207.3035, 101.6428

1.9960, 1.3927,
0.0000

258.9035,

0.6317, 0.2113,

252.2573, 130.9819

0.0000

309.8679,
303.2810, 165.4845

■ 0.0000, 0.0000,
0.0000

■ 47.4218, 43.5232,
10.6040

■ 47.4218, 43.5232,
10.6040

■ 45.2551, 40.0209,
7.3207

■ 49.9985, 47.4053,
15.3831

■ 43.4550, 36.8710,
5.3326


■ 53.0160, 51.6788,
21.8194


■ 42.3654, 34.8463,
4.4931


■ 56.5049, 56.3621,
30.0559


■ 60.4918, 61.4704,
40.2192

■ 65.0011, 67.0175,
52.4245

 70.0553, 73.0165,
66.7778

 75.6755, 79.4800,
83.3778

 81.8815, 86.4197,
102.3168

 85.7092, 92.6538,
107.9744

Harmonies

Analogous

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



57.9503, 43.5232, 17.5387



47.4218, 43.5232, 10.6040



36.8011, 43.5232, 10.3139

Triad

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



47.4218, 43.5232, 10.6040



24.5718, 43.5232, 62.3208



57.0066, 43.5232, 103.4669

Complementary

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



47.4218, 43.5232, 10.6040



25.2824, 23.9890, 80.3880

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.



46.2968, 43.5232, 129.6146



47.4218, 43.5232, 10.6040



28.2947, 43.5232, 99.8567

Square

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



47.4218, 43.5232, 10.6040



24.7683, 43.5232, 32.6866



35.8517, 43.5232, 128.0670



64.0970, 43.5232, 65.9481

Rectangle

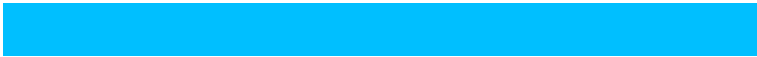
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4218, 43.5232, 10.6040



31.1273, 43.5232, 13.5157



35.8517, 43.5232, 128.0670



53.6383, 43.5232, 114.4729

Sweetspot

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



47.4228, 43.5254, 10.6048



80.2734, 82.8514, 65.7330



39.8733, 22.6755, 25.8175



16.8418, 17.3222, 13.1281



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.



47.4228, 43.5254, 10.6048



54.2773, 46.9472, 7.4699



60.0580, 74.1132, 15.8429



15.7943, 16.5115, 15.8733



24.1644, 20.0231, 2.5912



1.9922, 1.7616, 0.2350

Inverse Universe

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



25.2824, 23.9890, 80.3880



25.8500, 21.9988, 97.4915



19.3355, 10.9077, 78.1765



14.7481, 15.5826, 19.1527



10.9032, 8.4534, 44.8000



0.9492, 0.8499, 3.5489

Previews

White Background



This preview shows how the XYZ color 47.4218, 43.5232, 10.6040 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 47.4218, 43.5232, 10.6040 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 47.4218, 43.5232, 10.6040

Background



This preview shows how black text looks on a background with the XYZ color 47.4218, 43.5232, 10.6040.



This preview shows how white text looks on a background with the XYZ color 47.4218, 43.5232,

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

47.4218, 43.5232, 10.6040

Protanopia

39.7612, 43.7198, 11.6533

Deuteranopia

44.6637, 43.7143, 10.4986



Tritanopia

53.4357, 43.4515, 40.2209

Trichromacy



Original Color

47.4218, 43.5232, 10.6040

Protanomaly

42.3142, 43.6000, 11.3397

Deuteranomaly

45.5571, 43.6278, 10.5773

Tritanomaly

50.6443, 43.3138, 25.7698

Monochromacy



Original Color

47.4218, 43.5232, 10.6040

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.4156, 41.1405, 27.6406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4218, 43.5232, 10.6040 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(233, 162, 63)` looks like.

```
.text, #text, p{  
    color:rgb(233, 162, 63)  
}
```

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(233, 162, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 162, 63) }
```

Border

The CSS property to change the border of an element to XYZ 47.4218, 43.5232, 10.6040 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(233, 162, 63) }
```


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

```
.border{ border-color:rgb(233, 162, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 162, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 162, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 162, 63);  
box-shadow:4px 4px 4px 4px rgb(233, 162,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4218, 43.5232, 10.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 162, 63) }
```

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

```
.background{ background-color: rgb(233,  
162, 63) }
```

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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