

Converting Colors

XYZ(49.6450, 42.3797, 10.5648)

Have a look what the booklet for
XYZ(49.6450, 42.3797, 10.5648)
contains.

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Color

**XYZ(49.6536, 42.3972,
10.5675)**

Conversions

Conversions Part 1

Format	Color
Hex	F49941
RGB	244, 153, 65
RGB Percent	96%, 60%, 25%
CMY	0.0431, 0.4000, 0.7451
CMYK	0.00, 0.37, 0.73, 0.04
HSL	29°, 89%, 61%
HSV	29°, 73%, 96%
XYZ	49.6536, 42.3972, 10.5675
YIQ	170.1770, 82.4840, -8.0760

Conversions

Conversions Part 2

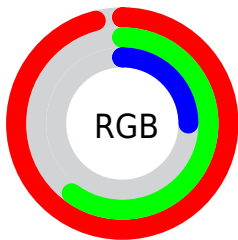
Format	Color
R_{YB}	244, 238, 65
Decimal	16030017
CIE _{Lab}	71.14, 27.07, 58.34
CIE _{LCh}	71, 64.313, 65.105
Yxy	42.3972, 0.4839, 0.4132
Android (android.graphics.Color)	4294220097 (0xFFFF49941)
YUV	170.1770, -51.8523, 64.7428
Hunter-Lab	65.1131, 22.1715, 35.9568

Details

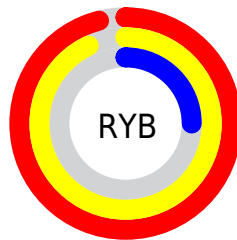
The XYZ color **49.6536, 42.3972, 10.5675** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.3969, 31.4309, 90.0521**, and the grayscale version is **38.5198, 40.5258, 44.1326**.

A 20% lighter version of the original color is **67.0068, 67.6561, 26.3569**, and **23.9670, 19.2612, 2.5695** is the 20% darker color. If you saturate the color by 10%, you get **47.1678, 38.3233, 6.9728**, and if you desaturate by 10%, it is **52.6574, 47.0196, 15.8405**.

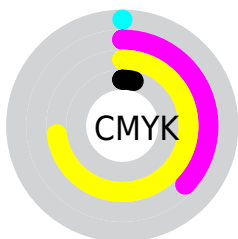
Distribution



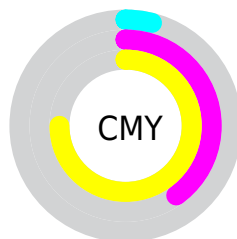
- Red (96%)
- Green (60%)
- Blue (25%)



- Red (96%)
- Yellow (93%)
- Blue (25%)



- Cyan (0%)
- Magenta (37%)
- Yellow (73%)
- Black (4%)



- Cyan (4%)
- Magenta (40%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6536, 42.3972, 10.5675 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 49.6536, 42.3972, 10.5675 by changing the saturation by 10% instead.

49.6536, 42.3972,
10.5675

49.6536, 42.3972,
10.5675

375.7842,
356.1269, 205.3056

35.3549, 29.4124,
5.6663

88.8563, 78.8004,
27.4819

24.1042, 19.3930,
2.5778

114.4911,
102.9877, 40.3322

15.5361, 11.9546,
0.8810

144.6352,
131.6779, 56.6693

9.2852, 6.7128,
0.0000

179.6541,
165.2554, 76.9117

4.9863, 3.2831,
0.0000

219.9130,
204.1047, 101.4780

2.2739, 1.2813,
0.0000

265.7775,

0.7813, 0.1266,

248.6101, 130.7868

0.0000

317.6127,
299.1560, 165.2564

■ 0.0000, 0.0000,
0.0000

■ 49.6536, 42.3972,
10.5675

■ 49.6536, 42.3972,
10.5675

■ 47.1678, 38.3233,
6.9728

■ 52.6574, 47.0196,
15.8405

■ 45.1483, 34.7615,
4.8283


■ 56.2175, 52.2103,
22.9754


■ 44.0200, 32.6570,
3.9833


■ 60.3708, 57.9952,
32.1341


■ 65.1499, 64.3964,
43.4599

■ 70.5847, 71.4346,
57.0832

 76.7029, 79.1293,
73.1237

 83.5304, 87.4992,
91.6929

 90.2426, 96.2221,
108.4242

 91.1180, 97.9730,
108.7160

Harmonies

Analogous

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



59.7136, 42.3972, 19.7758



49.6536, 42.3972, 10.5675



38.4833, 42.3972, 8.7146

Triad

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



49.6536, 42.3972, 10.5675



22.9966, 42.3972, 51.6419



53.4113, 42.3972, 113.6252

Complementary

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



49.6536, 42.3972, 10.5675



30.3969, 31.4309, 90.0521

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.



42.1674, 42.3972, 133.9592



49.6536, 42.3972, 10.5675



25.6248, 42.3972, 89.3344

Square

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



49.6536, 42.3972, 10.5675



24.2868, 42.3972, 25.4356



32.1969, 42.3972, 123.5154



62.1398, 42.3972, 75.8839

Rectangle

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



49.6536, 42.3972, 10.5675



32.1376, 42.3972, 10.6020



32.1969, 42.3972, 123.5154



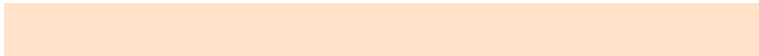
49.7328, 42.3972, 123.3381

Sweetspot

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



49.6546, 42.3994, 10.5683



78.8647, 80.0339, 65.2635



45.3257, 25.4648, 34.6418



16.5093, 16.6572, 13.0172



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.



49.6546, 42.3994, 10.5683



50.9962, 40.3850, 6.3762



69.7222, 82.5347, 17.2575



17.1719, 17.8279, 17.3336



24.0720, 18.0295, 2.2113



2.2183, 1.7898, 0.2286

Inverse Universe

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



30.3969, 31.4309, 90.0521



28.6786, 27.6562, 98.4344



20.5755, 11.7881, 86.7783



16.2776, 17.3194, 21.0276



12.9377, 11.6693, 48.1085



1.2400, 1.2313, 4.2626

Previews

White Background



This preview shows how the XYZ color 49.6536, 42.3972, 10.5675 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 49.6536, 42.3972, 10.5675 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 49.6536, 42.3972, 10.5675

Background



This preview shows how black text looks on a background with the XYZ color 49.6536, 42.3972, 10.5675.



This preview shows how white text looks on a background with the XYZ color 49.6536, 42.3972,

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

49.6536, 42.3972, 10.5675

Protanopia

38.7154, 42.5842, 12.1403

Deuteranopia

43.3920, 42.5148, 10.3340



Tritanopia

54.8729, 42.4193, 35.8675

Trichromacy



Original Color

49.6536, 42.3972, 10.5675

Protanomaly

42.0443, 42.0642, 11.5334

Deuteranomaly

45.2929, 42.1684, 10.3096

Tritanomaly

52.3043, 42.0467, 23.7714

Monochromacy



Original Color

49.6536, 42.3972, 10.5675

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.4663, 40.0872, 27.4346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6536, 42.3972, 10.5675 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(244, 153, 65)` looks like.

```
.text, #text, p{  
    color:rgb(244, 153, 65)  
}
```

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(244, 153, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 153, 65) }
```

Border

The CSS property to change the border of an element to XYZ 49.6536, 42.3972, 10.5675 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(244, 153, 65) }
```


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

```
.border{ border-color:rgb(244, 153, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 153, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 153, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 153, 65);  
box-shadow:4px 4px 4px 4px rgb(244, 153,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6536, 42.3972, 10.5675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 153, 65) }
```

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

```
.background{ background-color: rgb(244,  
153, 65) }
```

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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