

Converting Colors

XYZ(46.7444, 49.1661, 10.1583)

Have a look what the booklet for
XYZ(46.7444, 49.1661, 10.1583)
contains.

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Color

**XYZ(46.7444, 49.1661,
10.1583)**

Conversions

Conversions Part 1

Format	Color
Hex	DBB733
RGB	219, 183, 51
RGB Percent	86%, 72%, 20%
CMY	0.1412, 0.2823, 0.8000
CMYK	0.00, 0.16, 0.77, 0.14
HSL	47°, 70%, 53%
HSV	47°, 77%, 86%
XYZ	46.7444, 49.1661, 10.1583
YIQ	178.7160, 63.8280, -33.4200

Conversions

Conversions Part 2

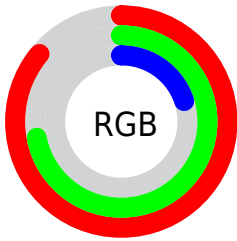
Format	Color
R_{YB}	97, 219, 51
Decimal	14399283
CIE _{Lab}	75.55, 0.04, 67.14
CIE _{LCh}	76, 67.144, 89.968
Yxy	49.1661, 0.4407, 0.4635
Android (android.graphics.Color)	4292589363 (0xFFDDBB733)
YUV	178.7160, -62.9640, 35.3291
Hunter-Lab	70.1185, -3.7107, 40.4934

Details

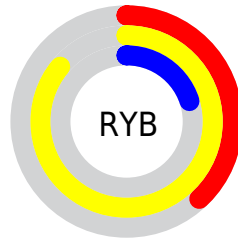
The XYZ color **46.7444, 49.1661, 10.1583** is a light color, and the websafe version is hex **CC9900**. The color can be described as light muted orange. A complement of this color would be **17.5596, 12.6344, 68.5303**, and the grayscale version is **42.9986, 45.2379, 49.2640**.

A 20% lighter version of the original color is **74.7603, 84.0545, 26.1938**, and **22.4798, 23.4388, 3.3393** is the 20% darker color. If you saturate the color by 10%, you get **45.4191, 47.1151, 7.8695**, and if you desaturate by 10%, it is **48.3314, 51.3773, 13.6563**.

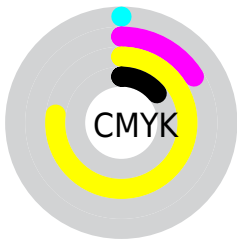
Distribution



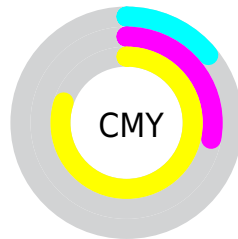
- Red (86%)
- Green (72%)
- Blue (20%)



- Red (38%)
- Yellow (86%)
- Blue (20%)



- Cyan (0%)
- Magenta (16%)
- Yellow (77%)
- Black (14%)



- Cyan (14%)
- Magenta (28%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7444, 49.1661, 10.1583 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 46.7444, 49.1661, 10.1583 by changing the saturation by 10% instead.

46.7444, 49.1661,
10.1583

46.7444, 49.1661,
10.1583

364.4593,
383.3959, 202.3239

33.0407, 34.7513,
5.3971

84.5530, 88.9381,
26.7053

22.3170, 23.4713,
2.4193

109.3887,
115.0640, 39.3281

14.2079, 14.9419,
0.7969

138.6658,
145.8625, 55.4086

8.3481, 8.7786,
0.0000

172.7496,
181.7178, 75.3651

4.3722, 4.5971,
0.0000

212.0055,
223.0144, 99.6164

1.9148, 2.0129,
0.0000

256.7988,

0.5854, 0.6149,

270.1367, 128.5810

0.0000

307.4950,
323.4690, 162.6773

■ 0.0000, 0.0000,
0.0000

■ 46.7444, 49.1661,
10.1583

■ 46.7444, 49.1661,
10.1583

■ 45.4191, 47.1151,
7.8695

■ 48.3314, 51.3773,
13.6563

■ 44.3157, 45.2019,
6.5961

■ 50.2053, 53.7535,
18.5094

■ 43.9805, 44.5948,
6.2896

■ 52.3916, 56.3073,
24.8458

■ 54.9121, 59.0477,
32.7781

■ 57.7863, 61.9833,
42.4079

■ 61.0322, 65.1214,
53.8284

■ 64.6664, 68.4694,
67.1260

■ 68.7045, 72.0339,
82.3814

■ 73.1613, 75.8212,
99.6707

Harmonies

Analogous

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



59.7144, 49.1661, 13.4978



46.7444, 49.1661, 10.1583



35.8001, 49.1661, 13.4824

Triad

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



46.7444, 49.1661, 10.1583



28.9632, 49.1661, 95.4199



70.5724, 49.1661, 95.5183

Complementary

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



46.7444, 49.1661, 10.1583



17.5596, 12.6344, 68.5303

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.



59.6869, 49.1661, 137.1989



46.7444, 49.1661, 10.1583



35.7806, 49.1661, 137.1266

Square

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



46.7444, 49.1661, 10.1583



26.7063, 49.1661, 53.4949



46.7174, 49.1661, 155.0231



74.8722, 49.1661, 53.5722

Rectangle

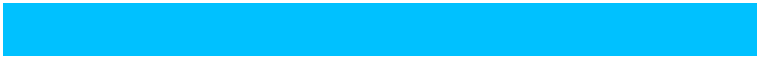
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.7444, 49.1661, 10.1583



30.7433, 49.1661, 20.5190



46.7174, 49.1661, 155.0231



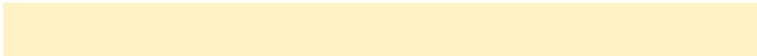
67.4771, 49.1661, 110.5919

Sweetspot

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



46.7455, 49.1685, 10.1593



83.1252, 89.0245, 65.2360



32.1340, 18.1228, 10.9080



17.4487, 18.7169, 12.7725



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.



46.7455, 49.1685, 10.1593



63.1383, 64.8487, 9.8700



42.8109, 59.6046, 12.3810



13.9131, 14.7656, 13.8423



26.1614, 26.6084, 3.7571



1.7551, 1.8443, 0.2635

Inverse Universe

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



17.5596, 12.6344, 68.5303



20.5786, 11.8367, 95.8078



19.0725, 10.1129, 67.9639



12.5637, 13.0671, 16.5122



8.2479, 4.3652, 40.1463



0.5979, 0.4100, 2.6221

Previews

White Background



This preview shows how the XYZ color 46.7444, 49.1661, 10.1583 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 46.7444, 49.1661, 10.1583 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 46.7444, 49.1661, 10.1583

Background



This preview shows how black text looks on a background with the XYZ color 46.7444, 49.1661, 10.1583.



This preview shows how white text looks on a background with the XYZ color 46.7444, 49.1661,

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

46.7444, 49.1661, 10.1583

Protanopia

44.6847, 49.3439, 10.4180

Deuteranopia

50.3197, 49.2030, 10.3350



Tritanopia

55.2095, 49.0805, 51.9110

Trichromacy



Original Color

46.7444, 49.1661, 10.1583

Protanomaly

45.6193, 49.5119, 10.4012

Deuteranomaly

49.0758, 49.1553, 10.2695

Tritanomaly

50.8252, 48.4451, 29.9646

Monochromacy



Original Color

46.7444, 49.1661, 10.1583

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.7343, 45.7778, 28.4135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7444, 49.1661, 10.1583 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(219, 183, 51)` looks like.

```
.text, #text, p{  
    color:rgb(219, 183, 51)  
}
```

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(219, 183, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 183, 51) }
```

Border

The CSS property to change the border of an element to XYZ 46.7444, 49.1661, 10.1583 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(219, 183, 51) }
```


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

```
.border{ border-color:rgb(219, 183, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 183, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 183, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 183, 51);  
box-shadow:4px 4px 4px 4px rgb(219, 183,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7444, 49.1661, 10.1583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 183, 51) }
```

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

```
.background{ background-color: rgb(219,  
183, 51) }
```

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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