

Converting Colors

XYZ(49.3170, 50.0069, 18.3623)

Have a look what the booklet for
XYZ(49.3170, 50.0069, 18.3623)
contains.

XYZ(49.3170, 50.0069, 18.3623)	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(49.3170, 50.0069,
18.3623)**

Conversions

Conversions Part 1

Format	Color
Hex	DFB661
RGB	223, 182, 97
RGB Percent	87%, 71%, 38%
CMY	0.1255, 0.2863, 0.6196
CMYK	0.00, 0.18, 0.57, 0.13
HSL	40°, 66%, 63%
HSV	40°, 57%, 87%
XYZ	49.3170, 50.0069, 18.3623
YIQ	184.5690, 51.7210, -17.7430

Conversions

Conversions Part 2

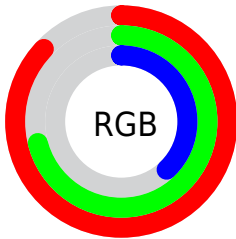
Format	Color
RYB	158, 223, 97
Decimal	14661217
CIELab	76.07, 4.91, 48.25
CIELCh	76, 48.499, 84.187
Yxy	50.0069, 0.4191, 0.4249
Android (android.graphics.Color)	4292851297 (0xFFDFB661)
YUV	184.5690, -43.1715, 33.7040
Hunter-Lab	70.7156, 0.7336, 34.1054

Details

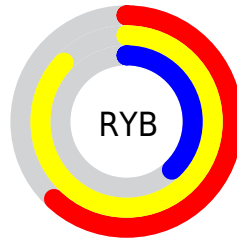
The XYZ color **49.3170, 50.0069, 18.3623** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.3372, 26.0451, 73.3980**, and the grayscale version is **46.0877, 48.4878, 52.8033**.

A 20% lighter version of the original color is **77.3196, 84.6111, 41.1106**, and **23.8604, 23.8971, 5.9398** is the 20% darker color. If you saturate the color by 10%, you get **46.9725, 46.7547, 13.1522**, and if you desaturate by 10%, it is **52.0331, 53.5348, 25.1390**.

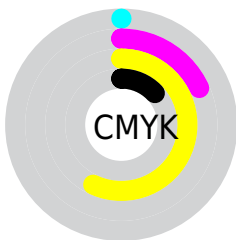
Distribution



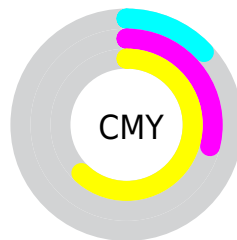
- Red (87%)
- Green (71%)
- Blue (38%)



- Red (62%)
- Yellow (87%)
- Blue (38%)



- Cyan (0%)
- Magenta (18%)
- Yellow (57%)
- Black (13%)



- Cyan (13%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3170, 50.0069, 18.3623 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 49.3170, 50.0069, 18.3623 by changing the saturation by 10% instead.

49.3170, 50.0069,
18.3623

49.3170, 50.0069,
18.3623

374.4852,
386.6929, 255.2096

35.0866, 35.4189,
11.0383

88.3600, 90.1851,
41.4760

23.8964, 23.9857,
5.9781

113.9033,
116.5441, 58.1027

15.3811, 15.3230,
2.7632

143.9482,
147.5955, 78.6674

9.1753, 9.0464,
0.9750

178.8601,
183.7237, 103.5886

4.9138, 4.7715,
0.0000

219.0045,
225.3132, 133.2849

2.2310, 2.1138,
0.0000

264.7465,

0.7590, 0.6724,

272.7483, 168.1748

0.0000

316.4517,
326.4134, 208.6769

■ 0.0000, 0.0000,
0.0000

■ 49.3170, 50.0069,
18.3623

■ 49.3170, 50.0069,
18.3623

■ 46.9725, 46.7547,
13.1522

■ 52.0331, 53.5348,
25.1390

■ 44.9698, 43.7587,
9.3727

■ 55.1406, 57.3423,
33.5969

■ 43.2793, 41.0070,
6.8693

■ 58.6620, 61.4421,
43.8434

■ 41.8627, 38.4823,
5.4455

■ 62.6168, 65.8438,
55.9761

■ 41.4089, 37.6431,
5.0834

■ 67.0231, 70.5563,
70.0852

■ 71.8980, 75.5881,
86.2554

■ 77.2576, 80.9472,
104.5663

■ 79.6557, 85.2568,
106.8656

■ 81.8351, 89.6156,
107.5921

Harmonies

Analogous

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



58.4729, 50.0069, 23.1782



49.3170, 50.0069, 18.3623



40.7423, 50.0069, 20.4338

Triad

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



49.3170, 50.0069, 18.3623



33.3406, 50.0069, 77.5615



63.1072, 50.0069, 89.1821

Complementary

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



49.3170, 50.0069, 18.3623



27.3372, 26.0451, 73.3980

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.



55.0328, 50.0069, 113.8386



49.3170, 50.0069, 18.3623



38.0454, 50.0069, 105.7721

Square

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



49.3170, 50.0069, 18.3623



32.2166, 50.0069, 49.5490



45.7868, 50.0069, 120.7159



67.0587, 50.0069, 59.6619

Rectangle

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



49.3170, 50.0069, 18.3623



36.3898, 50.0069, 25.9309



45.7868, 50.0069, 120.7159



60.7393, 50.0069, 98.6465

Sweetspot

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



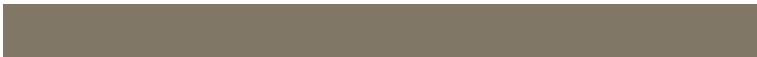
49.3182, 50.0093, 18.3633



84.5040, 88.8448, 74.7510



39.3665, 26.1019, 27.3900



17.8464, 18.7520, 15.2493



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.



49.3182, 50.0093, 18.3633



63.0756, 62.5186, 16.6459



52.9024, 66.1947, 21.2985



14.4763, 15.2385, 14.4851



24.4548, 22.3476, 3.0246



1.7755, 1.7098, 0.2364

Inverse Universe

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



27.3372, 26.0451, 73.3980



30.5858, 27.1776, 98.2415



25.0656, 17.7292, 71.9126



13.3144, 13.9679, 17.3820



9.3068, 6.0832, 41.7320



0.7246, 0.5807, 2.9191

Previews

White Background



This preview shows how the XYZ color 49.3170, 50.0069, 18.3623 looks on a white background.

Color Contrast Check

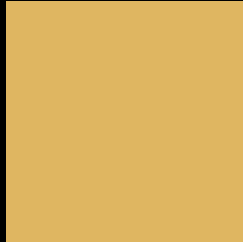
Large Text (above 18pt) WCAG AA × Fail

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 49.3170, 50.0069, 18.3623 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 49.3170, 50.0069, 18.3623

Background



This preview shows how black text looks on a background with the XYZ color 49.3170, 50.0069, 18.3623.



This preview shows how white text looks on a background with the XYZ color 49.3170, 50.0069,

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

49.3170, 50.0069, 18.3623

Protanopia

45.9675, 50.1327, 19.0582

Deuteranopia

50.9578, 49.9450, 18.5099



Tritanopia

56.4645, 49.9968, 52.5733

Trichromacy



Original Color

49.3170, 50.0069, 18.3623

Protanomaly

47.2041, 50.1458, 18.7465

Deuteranomaly

50.2044, 49.8553, 18.5322

Tritanomaly

53.2700, 49.8446, 36.9503

Monochromacy



Original Color

49.3170, 50.0069, 18.3623

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.4434, 48.7230, 37.0936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3170, 50.0069, 18.3623 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(223, 182, 97)` looks like.

```
.text, #text, p{  
    color:rgb(223, 182, 97)  
}
```

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(223, 182, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 182, 97) }
```

Border

The CSS property to change the border of an element to XYZ 49.3170, 50.0069, 18.3623 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(223, 182, 97) }
```


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

```
.border{ border-color:rgb(223, 182, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 182, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 182, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 182, 97);  
box-shadow:4px 4px 4px 4px rgb(223, 182,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3170, 50.0069, 18.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 182, 97) }
```

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

```
.background{ background-color: rgb(223,  
182, 97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor