

Converting Colors

XYZ(61.7457, 68.1850, 48.9387)

Have a look what the booklet for
XYZ(61.7457, 68.1850, 48.9387)
contains.

XYZ(61.7312, 68.1814, 48.9365)	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(61.7312, 68.1814,
48.9365)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDAAC
RGB	219, 218, 172
RGB Percent	86%, 85%, 67%
CMY	0.1412, 0.1451, 0.3255
CMYK	0.00, 0.00, 0.21, 0.14
HSL	59°, 39%, 77%
HSV	59°, 21%, 86%
XYZ	61.7312, 68.1814, 48.9365
YIQ	213.0550, 15.3620, -14.0940

Conversions

Conversions Part 2

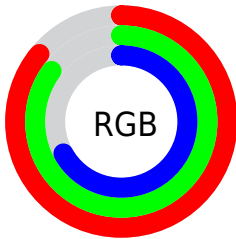
Format	Color
RYB	173, 219, 172
Decimal	14408364
CIELab	86.10, -7.07, 22.83
CIELCh	86, 23.900, 107.205
Yxy	68.1814, 0.3452, 0.3812
Android (android.graphics.Color)	4292598444 (0xFFDBDAAC)
YUV	213.0550, -20.2401, 5.2138
Hunter-Lab	82.5720, -11.0537, 22.6621

Details

The XYZ color **61.7312, 68.1814, 48.9365** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.7429, 43.7713, 73.1087**, and the grayscale version is **63.4081, 66.7102, 72.6474**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **31.7368, 35.4188, 22.6166** is the 20% darker color. If you saturate the color by 10%, you get **59.6796, 67.1710, 38.7170**, and if you desaturate by 10%, it is **64.1334, 69.3373, 60.9845**.

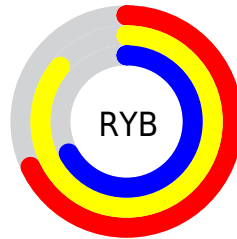
Distribution



Red (86%)

Green (85%)

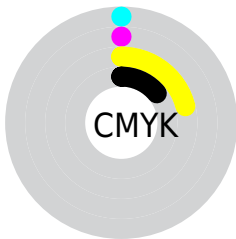
Blue (67%)



Red (68%)

Yellow (86%)

Blue (67%)

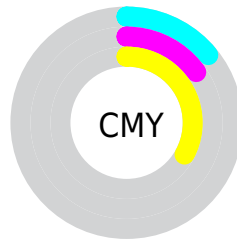


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (14%)



Cyan (14%)

Magenta (15%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7312, 68.1814, 48.9365 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 61.7312, 68.1814, 48.9365 by changing the saturation by 10% instead.

■ 61.7312, 68.1814,
48.9365

■ 61.7312, 68.1814,
48.9365

420.6831,
454.1385, 399.1076

■ 45.0703, 50.0453,
34.2039

■ 106.4291,
116.6116, 89.9771

■ 31.7143, 35.4494,
22.7716

135.1968,
147.6745, 117.1222

■ 21.2979, 24.0093,
14.2213

168.7308,
183.8152, 149.2419

■ 13.4556, 15.3405,
8.1342

207.3965,
225.4180, 186.7547

■ 7.8222, 9.0587,
4.0919

251.5592,
272.8673, 230.0791

■ 4.0322, 4.7795,
1.6759

301.5843,

■ 1.7204, 2.1185,

326.5476, 279.6337

0.3442

357.8372,
386.8432, 335.8370

■ 0.4690, 0.6750,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.7312, 68.1814,
48.9365

■ 61.7312, 68.1814,
48.9365

■ 59.6796, 67.1710,
38.7170

■ 64.1334, 69.3373,
60.9845

■ 57.9562, 66.2900,
30.2324

■ 66.8966, 70.6357,
74.9399

■ 56.5444, 65.5343,
23.3873

■ 70.0375, 72.0858,
90.8822

■ 55.4241, 64.8957,
18.0752

■ 72.8201, 73.3931,
104.9360

■ 54.5727, 64.3651,
14.1774

■ 72.9418, 73.6366,
104.9766

■ 53.9643, 63.9323,
11.5575

■ 73.0639, 73.8808,
105.0173

■ 53.5679, 63.5849,
10.0526

■ 73.1863, 74.1257,
105.0581

■ 53.3524, 63.3378,
9.4134

■ 73.3091, 74.3712,
105.0990

■ 73.4322, 74.6175,
105.1401

Harmonies

Analogous

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



67.1710, 68.1814, 48.4818



61.7312, 68.1814, 48.9365



57.3613, 68.1814, 55.5308

Triad

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



61.7312, 68.1814, 48.9365



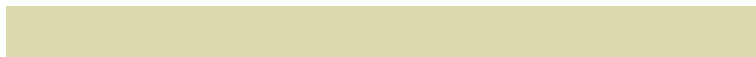
57.8925, 68.1814, 98.7110



75.6557, 68.1814, 81.1384

Complementary

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



61.7312, 68.1814, 48.9365



44.7429, 43.7713, 73.1087

Split Complementary

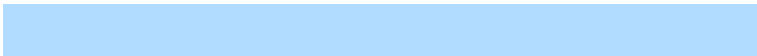
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8650, 68.1814, 96.7351



61.7312, 68.1814, 48.9365



62.4940, 68.1814, 107.8027

Square

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



61.7312, 68.1814, 48.9365



55.2324, 68.1814, 83.5462



67.9779, 68.1814, 107.0324



75.4228, 68.1814, 65.6481

Rectangle

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



61.7312, 68.1814, 48.9365



55.5497, 68.1814, 63.1276



67.9779, 68.1814, 107.0324



75.0338, 68.1814, 86.5809

Sweetspot

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



61.7330, 68.1844, 48.9379



92.5804, 98.8470, 96.4045



51.5644, 47.6051, 46.2952



19.7610, 21.1315, 20.3565



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.



61.7330, 68.1844, 48.9379



85.7066, 95.5488, 61.8991



55.8220, 65.5214, 48.7355



14.1374, 15.2141, 13.9171



31.6461, 37.5778, 5.5853



2.0579, 2.4498, 0.3644

Inverse Universe

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



44.7429, 43.7713, 73.1087



57.3978, 54.8723, 102.1740



49.7705, 46.0810, 73.2895



12.3607, 12.6611, 16.4445



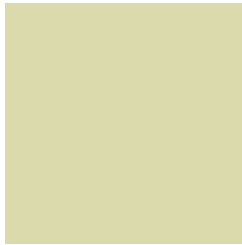
7.6214, 3.1123, 39.9374



0.5017, 0.2176, 2.5900

Previews

White Background



This preview shows how the XYZ color 61.7312, 68.1814, 48.9365 looks on a white background.

Color Contrast Check

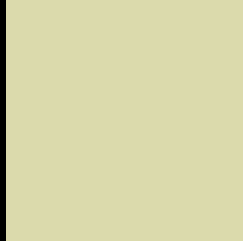
Large Text (above 18pt) WCAG AA × Fail

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 61.7312, 68.1814, 48.9365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

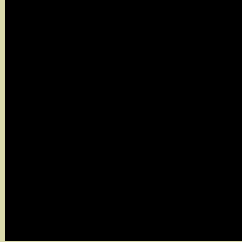
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

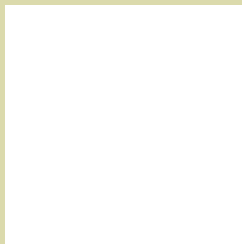
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.7312, 68.1814, 48.9365

Background



This preview shows how black text looks on a background with the XYZ color 61.7312, 68.1814, 48.9365.



This preview shows how white text looks on a background with the XYZ color 61.7312, 68.1814,

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

61.7312, 68.1814, 48.9365

Protanopia

63.9642, 68.1992, 48.3206

Deuteranopia

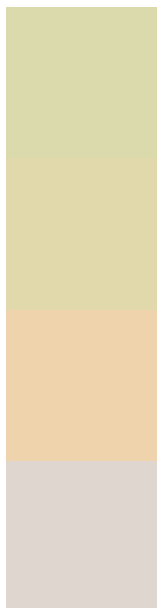
69.3771, 68.0056, 49.5142



Tritanopia

68.5234, 68.3033, 82.2453

Trichromacy



Original Color

61.7312, 68.1814, 48.9365

Protanomaly

62.9579, 68.0596, 48.3466

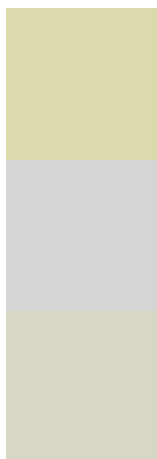
Deuteranomaly

66.4337, 67.9564, 49.1506

Tritanomaly

65.7405, 68.2861, 68.7471

Monochromacy



Original Color

61.7312, 68.1814, 48.9365

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.5178, 67.1252, 63.0875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7312, 68.1814, 48.9365 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, 218, 172)` looks like.

```
.text, #text, p{  
    color:rgb(219, 218, 172)  
}
```

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, 218, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 218, 172) }
```

Border

The CSS property to change the border of an element to XYZ 61.7312, 68.1814, 48.9365 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, 218, 172) }
```


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

```
.border{ border-color:rgb(219, 218, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 218, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 218, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 218, 172);  
box-shadow:4px 4px 4px 4px rgb(219, 218,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7312, 68.1814, 48.9365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 218, 172) }
```

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

```
.background{ background-color: rgb(219,  
218, 172) }
```

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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