

Converting Colors

XYZ(55.6997, 60.8499, 33.0400)

Have a look what the booklet for
XYZ(55.6997, 60.8499, 33.0400)
contains.

XYZ(55.8722, 61.0377, 32.8814)	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(55.8722, 61.0377,
32.8814)**

Conversions

Conversions Part 1

Format	Color
Hex	DBCE8A
RGB	219, 206, 138
RGB Percent	86%, 81%, 54%
CMY	0.1412, 0.1921, 0.4588
CMYK	0.00, 0.06, 0.37, 0.14
HSL	50°, 53%, 70%
HSV	50°, 37%, 86%
XYZ	55.8722, 61.0377, 32.8814
YIQ	202.1350, 29.5760, -18.3920

Conversions

Conversions Part 2

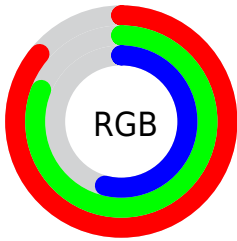
Format	Color
R _{YB}	153, 219, 138
Decimal	14405258
CIE Lab	82.40, -5.29, 35.47
CIE LCh	82, 35.863, 98.476
Yxy	61.0377, 0.3730, 0.4075
Android (android.graphics.Color)	4292595338 (0xFFDBCE8A)
YUV	202.1350, -31.6186, 14.7906
Hunter-Lab	78.1266, -9.0675, 29.7351

Details

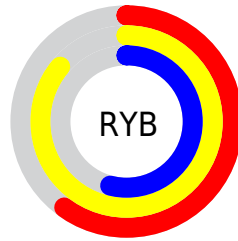
The XYZ color **55.8722, 61.0377, 32.8814** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.3338, 32.6500, 71.5104**, and the grayscale version is **56.4029, 59.3402, 64.6215**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **28.0528, 30.9311, 13.5086** is the 20% darker color. If you saturate the color by 10%, you get **53.6080, 58.7959, 25.0774**, and if you desaturate by 10%, it is **58.4781, 63.4508, 42.3779**.

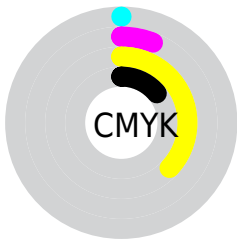
Distribution



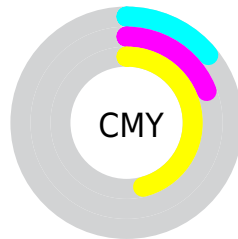
- Red (86%)
- Green (81%)
- Blue (54%)



- Red (60%)
- Yellow (86%)
- Blue (54%)



- Cyan (0%)
- Magenta (6%)
- Yellow (37%)
- Black (14%)



- Cyan (14%)
- Magenta (19%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8722, 61.0377, 32.8814 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 55.8722, 61.0377, 32.8814 by changing the saturation by 10% instead.

■ 55.8722, 61.0377,
32.8814

■ 55.8722, 61.0377,
32.8814

399.2925,
428.4122, 329.7306

■ 40.3371, 44.2556,
21.7652

■ 97.9586, 106.3335,
65.3042

■ 27.9868, 30.8715,
13.4878

■ 125.2406,
135.6160, 87.4479

■ 18.4561, 20.5010,
7.6307

■ 157.1688,
169.8341, 114.1045

■ 11.3796, 12.7598,
3.7752

194.1088,
209.3722, 145.6927

■ 6.3920, 7.2633,
1.5028

236.4258,
254.6146, 182.6308

■ 3.1278, 3.6273,
0.2200

284.4852,

■ 1.2217, 1.4674,

305.9459, 225.3374

0.0000

338.6523,
363.7503, 274.2312

■ 0.1234, 0.2656,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8722, 61.0377,
32.8814

■ 55.8722, 61.0377,
32.8814

■ 53.6080, 58.7959,
25.0774

■ 58.4781, 63.4508,
42.3779

■ 51.6615, 56.7091,
18.8604


■ 61.4389, 66.0341,
53.6565


■ 50.0126, 54.7711,
14.1186


■ 64.7728, 68.7973,
66.8049


■ 48.6370, 52.9722,
10.7245


■ 68.4951, 71.7467,
81.9040


 47.5062, 51.3006,
8.5285


 72.6205, 74.8884,
99.0299


 46.5830, 49.7413,
7.3354

 74.7560, 77.2653,
105.5814

 46.3262, 49.2856,
7.0714

 75.7273, 79.2079,
105.9051

 76.7184, 81.1899,
106.2355

 77.7292, 83.2116,
106.5724

Harmonies

Analogous

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



63.5831, 61.0377, 34.4565



55.8722, 61.0377, 32.8814



49.3313, 61.0377, 38.6233

Triad

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



55.8722, 61.0377, 32.8814



47.2392, 61.0377, 96.2836



72.8100, 61.0377, 83.1532

Complementary

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



55.8722, 61.0377, 32.8814



34.3338, 32.6500, 71.5104

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.



67.6612, 61.0377, 105.2170



55.8722, 61.0377, 32.8814



52.7810, 61.0377, 113.8835

Square

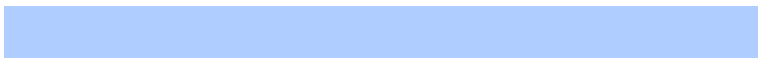
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.8722, 61.0377, 32.8814



44.6421, 61.0377, 72.8678



60.2109, 61.0377, 117.4700



73.8216, 61.0377, 60.4387

Rectangle

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



55.8722, 61.0377, 32.8814



46.3522, 61.0377, 46.7689



60.2109, 61.0377, 117.4700



71.4852, 61.0377, 91.0218

Sweetspot

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



55.8737, 61.0405, 32.8827



89.4394, 95.4857, 86.3535



43.9290, 35.4883, 34.0269



19.0057, 20.3235, 17.9384



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.



55.8737, 61.0405, 32.8827



76.4670, 83.8055, 38.0531



51.6575, 63.7047, 33.6191



13.9751, 14.8896, 13.8630



27.5367, 29.3590, 4.2155



1.8326, 1.9993, 0.2893

Inverse Universe

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



34.3338, 32.6500, 71.5104



42.0530, 38.4617, 99.8152



37.3923, 31.2915, 71.0870



12.5066, 12.9529, 16.4931



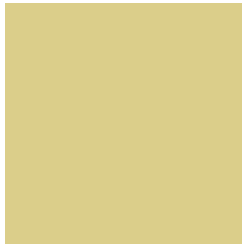
7.9926, 3.8546, 40.0611



0.5711, 0.3563, 2.6131

Previews

White Background



This preview shows how the XYZ color 55.8722, 61.0377, 32.8814 looks on a white background.

Color Contrast Check

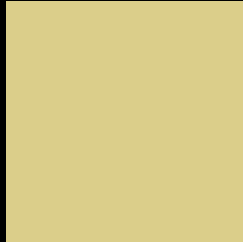
Large Text (above 18pt) WCAG AA × Fail

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 55.8722, 61.0377, 32.8814 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 55.8722, 61.0377, 32.8814

Background



This preview shows how black text looks on a background with the XYZ color 55.8722, 61.0377, 32.8814.



This preview shows how white text looks on a background with the XYZ color 55.8722, 61.0377,

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

55.8722, 61.0377, 32.8814

Protanopia

56.5430, 61.0272, 32.8441

Deuteranopia

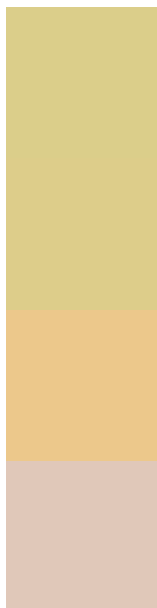
62.1297, 60.7858, 33.2692



Tritanopia

63.5285, 61.0169, 70.7165

Trichromacy



Original Color

55.8722, 61.0377, 32.8814

Protanomaly

56.2376, 60.8698, 32.8298

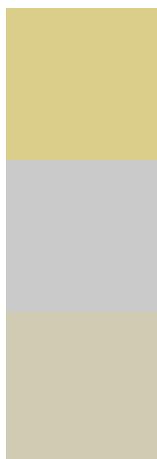
Deuteranomaly

59.9065, 61.0055, 33.0439

Tritanomaly

60.1517, 60.6586, 54.4369

Monochromacy



Original Color

55.8722, 61.0377, 32.8814

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

55.5050, 59.3764, 51.1832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8722, 61.0377, 32.8814 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, 206, 138)` looks like.

```
.text, #text, p{  
    color:rgb(219, 206, 138)  
}
```

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, 206, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 206, 138) }
```

Border

The CSS property to change the border of an element to XYZ 55.8722, 61.0377, 32.8814 is called "border". The border property can be set on classes, ids or directly on the HTML element.

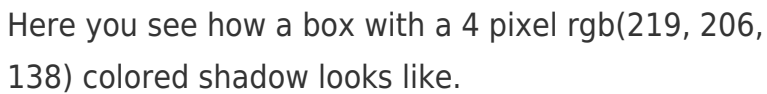
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 206, 138) }
```


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

```
.border{ border-color:rgb(219, 206, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 206, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 206, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 206, 138); box-shadow:4px 4px 4px 4px rgb(219, 206, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8722, 61.0377, 32.8814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 206, 138) }
```

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

```
.background{ background-color: rgb(219,  
206, 138) }
```

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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