

Converting Colors

XYZ(51.2039, 49.4512, 33.7292)

Have a look what the booklet for
XYZ(51.2039, 49.4512, 33.7292)
contains.

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Color

**XYZ(51.1554, 49.4147,
33.6299)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB291
RGB	222, 178, 145
RGB Percent	87%, 70%, 57%
CMY	0.1294, 0.3019, 0.4314
CMYK	0.00, 0.20, 0.35, 0.13
HSL	26°, 54%, 72%
HSV	26°, 35%, 87%
XYZ	51.1554, 49.4147, 33.6299
YIQ	187.3940, 36.8170, -0.9350

Conversions

Conversions Part 2

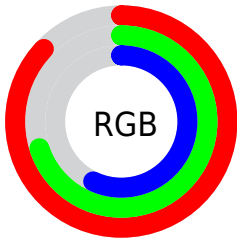
Format	Color
R _Y B	222, 203, 145
Decimal	14594705
CIE Lab	75.71, 11.42, 22.93
CIE LCh	76, 25.612, 63.527
Yxy	49.4147, 0.3812, 0.3682
Android (android.graphics.Color)	4292784785 (0xFFDEB291)
YUV	187.3940, -20.9002, 30.3495
Hunter-Lab	70.2956, 6.8805, 20.8422

Details

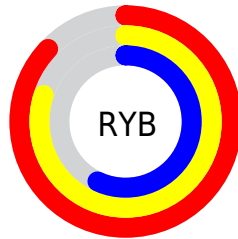
The XYZ color **51.1554, 49.4147, 33.6299** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.0589, 47.6872, 76.0423**, and the grayscale version is **47.5575, 50.0342, 54.4873**.

A 20% lighter version of the original color is **80.9716, 84.2292, 66.0230**, and **25.0799, 23.5824, 13.8197** is the 20% darker color. If you saturate the color by 10%, you get **47.2001, 43.9810, 24.6753**, and if you desaturate by 10%, it is **55.6812, 55.4536, 44.4259**.

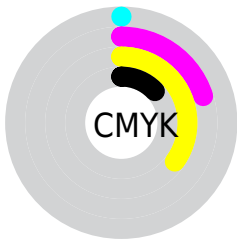
Distribution



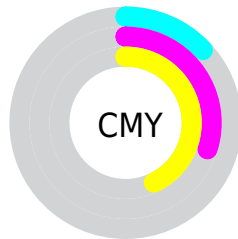
- Red (87%)
- Green (70%)
- Blue (57%)



- Red (87%)
- Yellow (80%)
- Blue (57%)



- Cyan (0%)
- Magenta (20%)
- Yellow (35%)
- Black (13%)





- Cyan (13%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1554, 49.4147, 33.6299 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 51.1554, 49.4147, 33.6299 by changing the saturation by 10% instead.


 51.1554, 49.4147,
33.6299


 51.1554, 49.4147,
33.6299


381.5450,
384.3726, 333.1973

 36.5538, 34.9486,
22.3344


 91.0661, 89.3071,
66.4850

 25.0343, 23.6233,
13.9021

 117.1059,
115.5021, 88.8817

 16.2315, 15.0544,
7.9147


147.6892,
146.3755, 115.8158

 9.7800, 8.8576,
3.9534

183.1813,
182.3117, 147.7059

 5.3145, 4.6484,
1.5998

223.9475,
223.6952, 184.9706

 2.4696, 2.0425,
0.2907

270.3533,

 0.8799, 0.6320,

270.9102, 228.0284

0.0000

322.7640,
324.3412, 277.2977

■ 0.0000, 0.0000,
0.0000

■ 51.1554, 49.4147,
33.6299

■ 51.1554, 49.4147,
33.6299

■ 47.2001, 43.9810,
24.6753

■ 55.6812, 55.4536,
44.4259

■ 43.7856, 39.1252,
17.4540

■ 60.7976, 62.1101,
57.1571

■ 40.8849, 34.8278,
11.8510

■ 66.5285, 69.4048,
71.9142

■ 38.4670, 31.0652,
7.7360

■ 72.8952, 77.3552,
88.7816

■ 36.4963, 27.8119,
4.9582

■ 79.7561, 85.9135,
106.9871

■ 34.9309, 25.0387,
3.3334

■ 83.6515, 93.7041,
108.2855

■ 34.2305, 23.7422,
2.7786

■ 83.9342, 94.2696,
108.3798

Harmonies

Analogous

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



54.9959, 49.4147, 40.6169



51.1554, 49.4147, 33.6299



46.4078, 49.4147, 31.7001

Triad

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



51.1554, 49.4147, 33.6299



38.4319, 49.4147, 55.4287



52.1921, 49.4147, 78.6749

Complementary

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



51.1554, 49.4147, 33.6299



43.0589, 47.6872, 76.0423

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.



47.5310, 49.4147, 84.3460



51.1554, 49.4147, 33.6299



39.7606, 49.4147, 69.5754

Square

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



51.1554, 49.4147, 33.6299



39.2601, 49.4147, 42.9706



43.0141, 49.4147, 80.7652



55.6222, 49.4147, 66.3209

Rectangle

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



51.1554, 49.4147, 33.6299



43.4165, 49.4147, 33.2163



43.0141, 49.4147, 80.7652



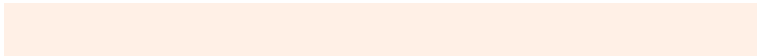
50.7064, 49.4147, 81.5123

Sweetspot

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



51.1567, 49.4170, 33.6309



86.7397, 89.5189, 87.2025



49.5351, 39.4950, 53.6803



18.3309, 18.8610, 18.0621



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.



51.1567, 49.4170, 33.6309



65.8262, 61.8925, 36.4525



59.6844, 66.4725, 36.4735



14.1879, 14.6618, 14.3890



20.4377, 14.3133, 1.6856



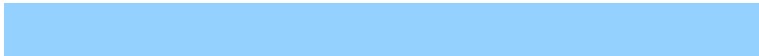
1.5042, 1.1672, 0.1460

Inverse Universe

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



43.0589, 47.6872, 76.0423



53.0680, 59.1533, 103.2285



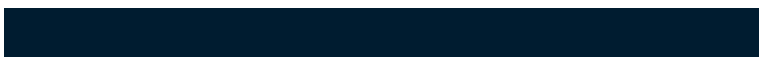
35.9962, 33.5619, 73.6881



13.5989, 14.5369, 17.4768



12.4399, 12.3493, 42.7764



0.9506, 1.0327, 2.9945

Previews

White Background



This preview shows how the XYZ color 51.1554, 49.4147, 33.6299 looks on a white background.

Color Contrast Check

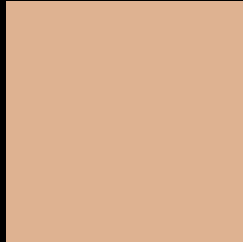
Large Text (above 18pt) WCAG AA × Fail

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 51.1554, 49.4147, 33.6299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

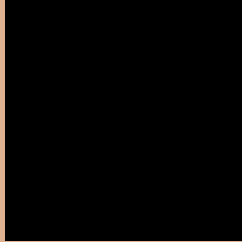
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1554, 49.4147, 33.6299

Background



This preview shows how black text looks on a background with the XYZ color 51.1554, 49.4147, 33.6299.



This preview shows how white text looks on a background with the XYZ color 51.1554, 49.4147,

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

51.1554, 49.4147, 33.6299

Protanopia

46.2724, 49.2935, 35.5095

Deuteranopia

50.4444, 49.3446, 33.6538



Tritanopia

54.9795, 49.2190, 53.0569

Trichromacy



Original Color

51.1554, 49.4147, 33.6299

Protanomaly

48.0109, 49.2705, 34.9967

Deuteranomaly

50.7461, 49.5002, 33.6679

Tritanomaly

53.5381, 49.2199, 45.2067

Monochromacy



Original Color

51.1554, 49.4147, 33.6299

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.4063, 49.5389, 46.0404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1554, 49.4147, 33.6299 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(222, 178, 145)` looks like.

```
.text, #text, p{  
    color:rgb(222, 178, 145)  
}
```

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(222, 178, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 178, 145) }
```

Border

The CSS property to change the border of an element to XYZ 51.1554, 49.4147, 33.6299 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(222, 178, 145) }
```


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

```
.border{ border-color:rgb(222, 178, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 178, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 178, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 178, 145);  
box-shadow:4px 4px 4px 4px rgb(222, 178,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1554, 49.4147, 33.6299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 178, 145) }
```

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

```
.background{ background-color: rgb(222,  
178, 145) }
```

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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