

Converting Colors

XYZ(46.6262, 50.8443, 31.8708)

Have a look what the booklet for
XYZ(46.6262, 50.8443, 31.8708)
contains.

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Color

**XYZ(46.6268, 50.8331,
31.7804)**

Conversions

Conversions Part 1

Format	Color
Hex	C7BE8B
RGB	199, 190, 139
RGB Percent	78%, 75%, 55%
CMY	0.2196, 0.2549, 0.4549
CMYK	0.00, 0.05, 0.30, 0.22
HSL	51°, 35%, 66%
HSV	51°, 30%, 78%
XYZ	46.6268, 50.8331, 31.7804
YIQ	186.8770, 21.7350, -13.9530

Conversions

Conversions Part 2

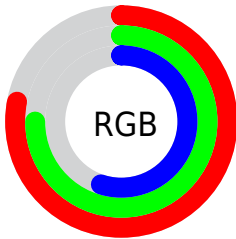
Format	Color
RYB	150, 199, 139
Decimal	13090443
CIELab	76.58, -4.70, 26.95
CIELCh	77, 27.357, 99.901
Yxy	50.8331, 0.3608, 0.3933
Android (android.graphics.Color)	4291280523 (0xFFC7BE8B)
YUV	186.8770, -23.6034, 10.6319
Hunter-Lab	71.2973, -8.0355, 23.4799

Details

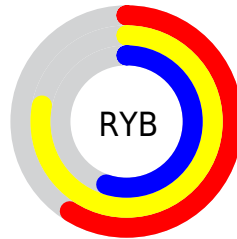
The XYZ color **46.6268, 50.8331, 31.7804** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.5460, 30.7914, 58.3135**, and the grayscale version is **47.2861, 49.7486, 54.1763**.

A 20% lighter version of the original color is **83.8214, 91.0218, 63.6032**, and **22.2087, 24.5252, 12.7958** is the 20% darker color. If you saturate the color by 10%, you get **44.6640, 49.0264, 24.5938**, and if you desaturate by 10%, it is **48.8701, 52.7768, 40.3675**.

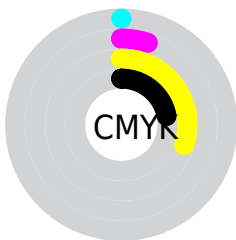
Distribution



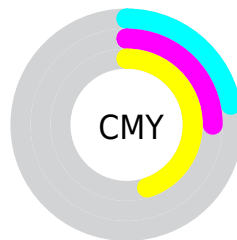
- Red (78%)
- Green (75%)
- Blue (55%)



- Red (59%)
- Yellow (78%)
- Blue (55%)



- Cyan (0%)
- Magenta (5%)
- Yellow (30%)
- Black (22%)



- Cyan (22%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6268, 50.8331, 31.7804 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 46.6268, 50.8331, 31.7804 by changing the saturation by 10% instead.

■ 46.6268, 50.8331,
31.7804

■ 46.6268, 50.8331,
31.7804

363.9967,
389.9150, 324.5795

■ 32.9474, 36.0758,
20.9304

■ 84.3784, 91.4080,
63.5606

■ 22.2452, 24.4927,
12.8824

■ 109.1814,
117.9944, 85.3278

■ 14.1548, 15.6995,
7.2178

■ 138.4229,
149.2927, 111.5712

■ 8.3108, 9.3118,
3.5182

172.4684,
185.6871, 142.7093

■ 4.3480, 4.9451,
1.3649

211.6832,
227.5622, 179.1607

■ 1.9008, 2.2151,
0.1141

256.4326,

■ 0.5773, 0.7282,

275.3022, 221.3438

0.0000

307.0820,
329.2917, 269.6772

■ 0.0000, 0.0000,
0.0000

■ 46.6268, 50.8331,
31.7804

■ 46.6268, 50.8331,
31.7804

■ 44.6640, 49.0264,
24.5938

■ 48.8701, 52.7768,
40.3675

■ 42.9635, 47.3438,
18.7289

■ 51.4034, 54.8560,
50.4218

■ 41.5106, 45.7812,
14.1037

■ 54.2405, 57.0781,
62.0099

■ 40.2877, 44.3314,
10.6260

■ 57.3931, 59.4479,
75.1930

■ 39.2749, 42.9863,
8.1905

■ 60.8723, 61.9700,
90.0291

■ 38.4484, 41.7362,
6.6728

■ 64.1360, 64.4277,
103.6632

■ 37.7721, 40.5800,
5.8419

■ 64.8698, 65.8954,
103.9078

■ 65.6174, 67.3905,
104.1570

■ 66.3788, 68.9133,
104.4108

Harmonies

Analogous

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



51.8113, 50.8331, 32.6936



46.6268, 50.8331, 31.7804



42.2173, 50.8331, 36.2608

Triad

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



46.6268, 50.8331, 31.7804



41.0859, 50.8331, 75.6846



58.2610, 50.8331, 65.7159

Complementary

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



46.6268, 50.8331, 31.7804



31.5460, 30.7914, 58.3135

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.



54.9740, 50.8331, 80.1777



46.6268, 50.8331, 31.7804



44.9803, 50.8331, 86.6070

Square

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



46.6268, 50.8331, 31.7804



39.1725, 50.8331, 60.3875



50.0442, 50.8331, 88.3838



58.7805, 50.8331, 50.5981

Rectangle

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



46.6268, 50.8331, 31.7804



40.2180, 50.8331, 42.2679



50.0442, 50.8331, 88.3838



57.4325, 50.8331, 70.8828

Sweetspot

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



46.6281, 50.8354, 31.7815



90.4848, 96.4334, 90.2256



38.1315, 32.7461, 32.3285



19.2185, 20.5216, 18.7115



0.0000, 0.0000, 0.0000



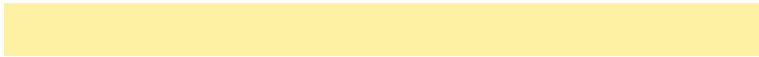
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6281, 50.8354, 31.7815



79.3945, 86.9628, 47.3453



43.4440, 52.1760, 32.2081



11.3832, 12.1356, 11.3052



24.3393, 26.1958, 3.7735



1.1903, 1.3159, 0.1913

Inverse Universe

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



31.5460, 30.7914, 58.3135



48.9100, 46.4571, 100.9970



34.0391, 30.0630, 58.0415



10.1829, 10.5399, 13.4152



6.9651, 3.3242, 35.0189



0.3720, 0.2417, 1.6722

Previews

White Background



This preview shows how the XYZ color 46.6268, 50.8331, 31.7804 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 46.6268, 50.8331, 31.7804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

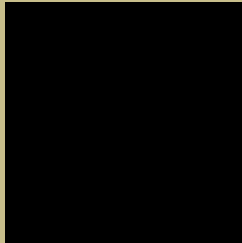
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6268, 50.8331, 31.7804

Background



This preview shows how black text looks on a background with the XYZ color 46.6268, 50.8331, 31.7804.



This preview shows how white text looks on a background with the XYZ color 46.6268, 50.8331,

31.7804.

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

46.6268, 50.8331, 31.7804

Protanopia

47.4136, 50.9267, 31.3756

Deuteranopia

51.7630, 50.6588, 32.2492



Tritanopia

52.2596, 50.6089, 59.8374

Trichromacy



Original Color

46.6268, 50.8331, 31.7804

Protanomaly

47.1422, 50.7867, 31.3629

Deuteranomaly

49.6057, 50.4706, 31.9382

Tritanomaly

49.8140, 50.5290, 48.2019

Monochromacy



Original Color

46.6268, 50.8331, 31.7804

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.7248, 49.9451, 45.2079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6268, 50.8331, 31.7804 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(199, 190, 139)` looks like.

```
.text, #text, p{  
    color:rgb(199, 190, 139)  
}
```

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(199, 190, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 190, 139) }
```

Border

The CSS property to change the border of an element to XYZ 46.6268, 50.8331, 31.7804 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(199, 190, 139) }
```


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

```
.border{ border-color:rgb(199, 190, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 190, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 190, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 190, 139);  
box-shadow:4px 4px 4px 4px rgb(199, 190,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6268, 50.8331, 31.7804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 190, 139) }
```

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

```
.background{ background-color: rgb(199,  
190, 139) }
```

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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