

Converting Colors

XYZ(39.6665, 48.5530, 26.6666)

Have a look what the booklet for
XYZ(39.6665, 48.5530, 26.6666)
contains.

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Color

**XYZ(39.7880, 48.7222,
26.7093)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC27D
RGB	171, 194, 125
RGB Percent	67%, 76%, 49%
CMY	0.3294, 0.2392, 0.5098
CMYK	0.12, 0.00, 0.36, 0.24
HSL	80°, 36%, 63%
HSV	80°, 36%, 76%
XYZ	39.7880, 48.7222, 26.7093
YIQ	179.2570, 8.4410, -26.3350

Conversions

Conversions Part 2

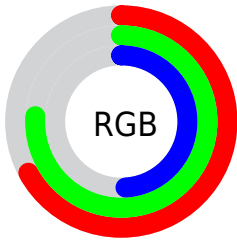
Format	Color
RYB	125, 194, 148
Decimal	11256445
CIELab	75.28, -19.41, 32.18
CIELCh	75, 37.579, 121.097
Yxy	48.7222, 0.3453, 0.4229
Android (android.graphics.Color)	4289446525 (0xFFABC27D)
YUV	179.2570, -26.7487, -7.2414
Hunter-Lab	69.8013, -20.4040, 26.1737

Details

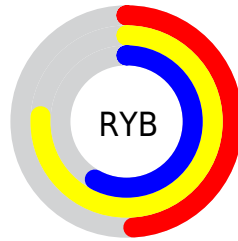
The XYZ color **39.7880, 48.7222, 26.7093** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.2860, 24.8596, 54.2966**, and the grayscale version is **43.1210, 45.3667, 49.4043**.

A 20% lighter version of the original color is **74.2116, 88.5396, 55.2980**, and **18.1193, 23.1157, 10.1634** is the 20% darker color. If you saturate the color by 10%, you get **37.2936, 47.5673, 20.7431**, and if you desaturate by 10%, it is **42.5959, 50.0138, 33.9557**.

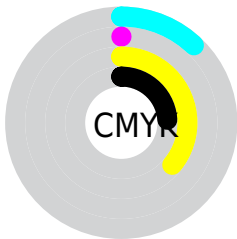
Distribution



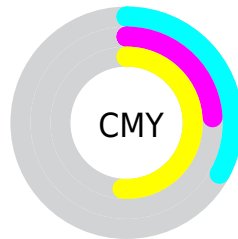
- Red (67%)
- Green (76%)
- Blue (49%)



- Red (49%)
- Yellow (76%)
- Blue (58%)



- Cyan (12%)
- Magenta (0%)
- Yellow (36%)
- Black (24%)





- Cyan (33%)
- Magenta (24%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7880, 48.7222, 26.7093 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 39.7880, 48.7222, 26.7093 by changing the saturation by 10% instead.


 39.7880, 48.7222,
26.7093


 39.7880, 48.7222,
26.7093


336.3790,
381.6477, 299.9623


 27.5568, 34.3992,
17.1245


 74.1270, 88.2787,
55.4151

 18.1306, 23.2004,
10.1604


 96.9654, 114.2810,
75.3732

 11.1440, 14.7416,
5.3985


 124.0703,
144.9451, 99.6261

 6.2318, 8.6382,
2.4201

155.8070,
180.6555, 128.5924

 3.0285, 4.5060,
0.7974

192.5409,
221.7966, 162.6907

 1.1689, 1.9604,
0.0000

234.6373,

 0.0816, 0.5843,

268.7527, 202.3394

0.0000

282.4615,
321.9083, 247.9571

■ 0.0000, 0.0000,
0.0000

■ 39.7880, 48.7222,
26.7093

■ 39.7880, 48.7222,
26.7093

■ 37.2936, 47.5673,
20.7431

■ 42.5959, 50.0138,
33.9557

■ 35.0938, 46.5364,
15.9794

■ 45.7277, 51.4414,
42.5478

■ 33.1734, 45.6251,
12.3370


■ 49.1975, 53.0123,
52.5503


■ 31.5137, 44.8256,
9.7231


■ 53.0176, 54.7317,
64.0227


■ 30.0933, 44.1293,
8.0303

■ 57.1995, 56.6041,
77.0213


 28.8858, 43.5256,
7.1258

 61.7542, 58.6342,
91.5993

 28.3956, 43.2784,
6.8570

 65.7432, 60.4467,
102.8101

 67.6953, 61.4530,
102.9014

 69.7235, 62.4985,
102.9963

Harmonies

Analogous

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



46.0553, 48.7222, 23.4040



39.7880, 48.7222, 26.7093



35.6367, 48.7222, 36.7211

Triad

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



39.7880, 48.7222, 26.7093



40.1872, 48.7222, 93.7581



60.8831, 48.7222, 52.3257

Complementary

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



39.7880, 48.7222, 26.7093



29.2860, 24.8596, 54.2966

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.



58.9239, 48.7222, 73.6188



39.7880, 48.7222, 26.7093



46.5636, 48.7222, 100.8383

Square

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



39.7880, 48.7222, 26.7093



35.8506, 48.7222, 75.1984



53.5062, 48.7222, 92.6981



58.6260, 48.7222, 35.7434

Rectangle

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



39.7880, 48.7222, 26.7093



34.3977, 48.7222, 47.3838



53.5062, 48.7222, 92.6981



60.6944, 48.7222, 59.1512

Sweetspot

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



39.7892, 48.7244, 26.7103



85.5274, 94.4115, 84.7213



36.5415, 34.1314, 24.0648



18.5416, 20.5899, 18.0143



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.



39.7892, 48.7244, 26.7103



68.3736, 86.5527, 39.4468



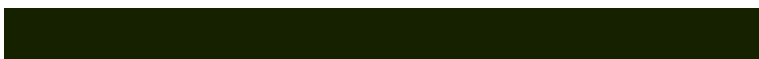
33.2298, 45.3429, 26.4034



10.5766, 11.5847, 10.7405



18.7581, 28.4990, 4.5122



0.8811, 1.2677, 0.1983

Inverse Universe

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



29.2860, 24.8596, 54.2966



46.4424, 36.6858, 97.1031



36.4828, 28.5696, 54.6334



9.8377, 9.9075, 12.6787



7.9000, 3.3330, 33.7836



0.4153, 0.1822, 1.4632

Previews

White Background



This preview shows how the XYZ color 39.7880, 48.7222, 26.7093 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 39.7880, 48.7222, 26.7093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

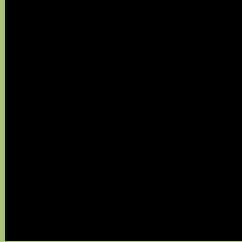
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7880, 48.7222, 26.7093

Background



This preview shows how black text looks on a background with the XYZ color 39.7880, 48.7222, 26.7093.



This preview shows how white text looks on a background with the XYZ color 39.7880, 48.7222,

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

39.7880, 48.7222, 26.7093

Protanopia

44.8875, 48.4959, 25.0840

Deuteranopia

49.5034, 48.4014, 27.5022



Tritanopia

46.7138, 48.6452, 60.9602

Trichromacy



Original Color

39.7880, 48.7222, 26.7093

Protanomaly

42.7313, 48.3187, 25.4866

Deuteranomaly

45.4584, 48.1220, 27.3146

Tritanomaly

43.5611, 48.2921, 46.0551

Monochromacy



Original Color

39.7880, 48.7222, 26.7093

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.3030, 46.0143, 39.5056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7880, 48.7222, 26.7093 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(171, 194, 125)` looks like.

```
.text, #text, p{  
    color:rgb(171, 194, 125)  
}
```

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(171, 194, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 194, 125) }
```

Border

The CSS property to change the border of an element to XYZ 39.7880, 48.7222, 26.7093 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(171, 194, 125) }
```


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

```
.border{ border-color:rgb(171, 194, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 194, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 194, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 194, 125);  
box-shadow:4px 4px 4px 4px rgb(171, 194,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7880, 48.7222, 26.7093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 194, 125) }
```

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

```
.background{ background-color: rgb(171,  
194, 125) }
```

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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