

Converting Colors

XYZ(47.7733, 54.8405, 28.4897)

Have a look what the booklet for
XYZ(47.7733, 54.8405, 28.4897)
contains.

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Color

**XYZ(47.8393, 54.8728,
28.4922)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C880
RGB	198, 200, 128
RGB Percent	78%, 78%, 50%
CMY	0.2235, 0.2157, 0.4980
CMYK	0.01, 0.00, 0.36, 0.22
HSL	62°, 40%, 64%
HSV	62°, 36%, 78%
XYZ	47.8393, 54.8728, 28.4922
YIQ	191.1940, 21.9200, -22.8160

Conversions

Conversions Part 2

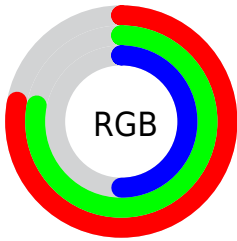
Format	Color
RYB	128, 200, 130
Decimal	13027456
CIELab	78.97, -11.62, 35.81
CIELCh	79, 37.651, 107.972
Yxy	54.8728, 0.3646, 0.4182
Android (android.graphics.Color)	4291217536 (0xFFC6C880)
YUV	191.1940, -31.1546, 5.9689
Hunter-Lab	74.0762, -14.3558, 29.0484

Details

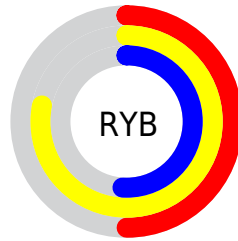
The XYZ color **47.8393, 54.8728, 28.4922** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.3524, 24.3557, 57.9062**, and the grayscale version is **49.8013, 52.3948, 57.0580**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **22.9461, 26.9332, 11.0104** is the 20% darker color. If you saturate the color by 10%, you get **46.5046, 54.3239, 22.2223**, and if you desaturate by 10%, it is **49.4368, 55.5307, 36.1310**.

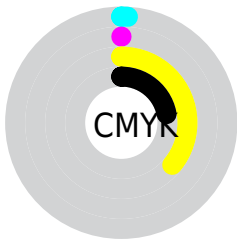
Distribution



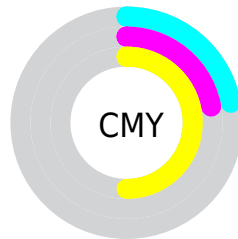
- Red (78%)
- Green (78%)
- Blue (50%)



- Red (50%)
- Yellow (78%)
- Blue (51%)



- Cyan (1%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)





- Cyan (22%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8393, 54.8728, 28.4922 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 47.8393, 54.8728, 28.4922 by changing the saturation by 10% instead.

 47.8393, 54.8728,
28.4922


 47.8393, 54.8728,
28.4922


368.7480,
405.4296, 308.7970


 33.9104, 39.2999,
18.4547


 86.1762, 97.3546,
58.3018

 22.9873, 26.9931,
11.1042


 111.3149,
125.0322, 78.9111

 14.7048, 17.5680,
6.0219


 140.9210,
157.5135, 103.8814

 8.6974, 10.6403,
2.7894

175.3596,
195.1830, 133.6312

 4.5999, 5.8255,
0.9881

214.9963,
238.4249, 168.5792

 2.0468, 2.7393,
0.0000

260.1964,

 0.6600, 0.9972,

287.6237, 209.1438

0.0000

311.3251,
343.1638, 255.7435

■ 0.0000, 0.0000,
0.0000

■ 47.8393, 54.8728,
28.4922

■ 47.8393, 54.8728,
28.4922

■ 46.5046, 54.3239,
22.2223

■ 49.4368, 55.5307,
36.1310

■ 45.4132, 53.8705,
17.2373

■ 51.3071, 56.2959,
45.2094

■ 44.5497, 53.5083,
13.4491


■ 53.4646, 57.1760,
55.7972


■ 43.8949, 53.2296,
10.7572


■ 55.9214, 58.1759,
67.9589


■ 43.4266, 53.0256,
9.0447


■ 58.6892, 59.3003,
81.7551


 43.1170, 52.8852,
8.1651

 61.7789, 60.5534,
97.2431

 43.0158, 52.8381,
7.9316

 63.0351, 61.0733,
103.0738

 63.1859, 61.1511,
103.0808

 63.3374, 61.2291,
103.0879

Harmonies

Analogous

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



55.2118, 54.8728, 27.8223



47.8393, 54.8728, 28.4922



42.1785, 54.8728, 36.1833

Triad

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



47.8393, 54.8728, 28.4922



43.1011, 54.8728, 95.8902



67.5346, 54.8728, 68.7543

Complementary

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



47.8393, 54.8728, 28.4922



27.3524, 24.3557, 57.9062

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.



63.5922, 54.8728, 91.8070



47.8393, 54.8728, 28.4922



49.2130, 54.8728, 109.8037

Square

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



47.8393, 54.8728, 28.4922



39.6285, 54.8728, 73.3880



56.7226, 54.8728, 108.1524



67.0768, 54.8728, 47.9109

Rectangle

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



47.8393, 54.8728, 28.4922



39.9193, 54.8728, 45.5835



56.7226, 54.8728, 108.1524



66.6656, 54.8728, 76.5772

Sweetspot

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



47.8407, 54.8753, 28.4934



90.5715, 98.1755, 86.8130



35.5941, 29.5925, 24.2587



19.2774, 20.9693, 18.0487



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.



47.8407, 54.8753, 28.4934



81.0236, 94.2607, 40.8535



39.6159, 50.6353, 28.1084



11.4936, 12.4014, 11.3507



27.3627, 33.6013, 5.0435



1.3050, 1.5959, 0.2393

Inverse Universe

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



27.3524, 24.3557, 57.9062



40.5147, 33.9115, 99.0180



33.7048, 27.6305, 58.2035



10.0835, 10.3013, 13.3744



6.6857, 2.6808, 34.9094



0.3263, 0.1320, 1.6534

Previews

White Background



This preview shows how the XYZ color 47.8393, 54.8728, 28.4922 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 47.8393, 54.8728, 28.4922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

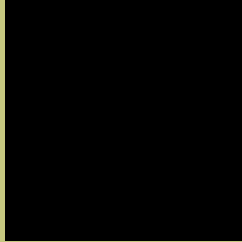
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8393, 54.8728, 28.4922

Background



This preview shows how black text looks on a background with the XYZ color 47.8393, 54.8728, 28.4922.



This preview shows how white text looks on a background with the XYZ color 47.8393, 54.8728,

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

47.8393, 54.8728, 28.4922

Protanopia

50.4324, 54.5336, 27.6066

Deuteranopia

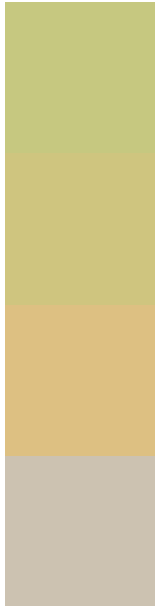
55.7987, 54.6718, 29.0845



Tritanopia

55.1650, 54.5001, 65.3697

Trichromacy



Original Color

47.8393, 54.8728, 28.4922

Protanomaly

49.5291, 54.7302, 28.0322

Deuteranomaly

52.6977, 54.6831, 28.8965

Tritanomaly

52.1294, 54.5953, 49.3854

Monochromacy



Original Color

47.8393, 54.8728, 28.4922

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.6078, 52.8801, 44.6908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8393, 54.8728, 28.4922 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(198, 200, 128)` looks like.

```
.text, #text, p{  
    color:rgb(198, 200, 128)  
}
```

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(198, 200, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 200, 128) }
```

Border

The CSS property to change the border of an element to XYZ 47.8393, 54.8728, 28.4922 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(198, 200, 128) }
```


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

```
.border{ border-color:rgb(198, 200, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 200, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 200, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 200, 128);  
box-shadow:4px 4px 4px 4px rgb(198, 200,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8393, 54.8728, 28.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 200, 128) }
```

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

```
.background{ background-color: rgb(198,  
200, 128) }
```

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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