

Converting Colors

XYZ(47.8162, 54.0183, 12.6821)

Have a look what the booklet for
XYZ(47.8162, 54.0183, 12.6821)
contains.

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Color

**XYZ(48.0430, 54.2997,
12.7992)**

Conversions

Conversions Part 1

Format	Color
Hex	D4C540
RGB	212, 197, 64
RGB Percent	83%, 77%, 25%
CMY	0.1686, 0.2274, 0.7490
CMYK	0.00, 0.07, 0.70, 0.17
HSL	54°, 63%, 54%
HSV	54°, 70%, 83%
XYZ	48.0430, 54.2997, 12.7992
YIQ	186.3230, 51.6330, -38.1830

Conversions

Conversions Part 2

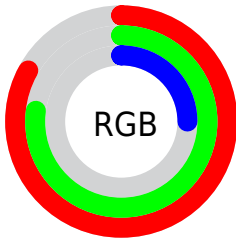
Format	Color
R _Y B	81, 212, 64
Decimal	13944128
CIE Lab	78.64, -9.62, 65.19
CIE LCh	79, 65.900, 98.397
Yxy	54.2997, 0.4173, 0.4716
Android (android.graphics.Color)	4292134208 (0xFFD4C540)
YUV	186.3230, -60.3052, 22.5187
Hunter-Lab	73.6883, -12.5769, 41.2835

Details

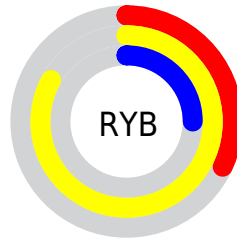
The XYZ color **48.0430, 54.2997, 12.7992** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **16.7940, 11.4352, 63.6089**, and the grayscale version is **47.1622, 49.6184, 54.0344**.

A 20% lighter version of the original color is **79.6951, 92.8425, 31.1728**, and **23.2997, 26.8165, 3.9481** is the 20% darker color. If you saturate the color by 10%, you get **47.0669, 53.1365, 10.0424**, and if you desaturate by 10%, it is **49.2577, 55.5736, 16.7675**.

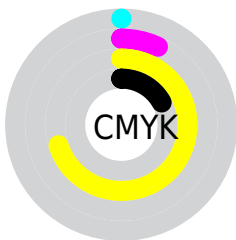
Distribution



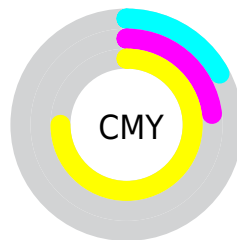
- Red (83%)
- Green (77%)
- Blue (25%)



- Red (32%)
- Yellow (83%)
- Blue (25%)



- Cyan (0%)
- Magenta (7%)
- Yellow (70%)
- Black (17%)



- Cyan (17%)
- Magenta (23%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0430, 54.2997, 12.7992 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 48.0430, 54.2997, 12.7992 by changing the saturation by 10% instead.

■ 48.0430, 54.2997,
12.7992

■ 48.0430, 54.2997,
12.7992

369.5423,
403.2518, 220.7892

■ 34.0723, 38.8413,
7.1613

■ 86.4777, 96.5141,
31.6284

■ 23.1123, 26.6363,
3.4832

■ 111.6725,
124.0390, 45.6569

■ 14.7976, 17.3003,
1.3464

■ 141.3394,
156.3548, 63.3193

■ 8.7629, 10.4488,
0.0993

■ 175.8437,
193.8459, 85.0341

■ 4.6427, 5.6975,
0.0000

■ 215.5507,
236.8968, 111.2200

■ 2.0718, 2.6620,
0.0000

260.8260,

■ 0.6738, 0.9580,

285.8918, 142.2955

0.0000

312.0347,
341.2154, 178.6790

■ 0.0000, 0.0000,
0.0000

■ 48.0430, 54.2997,
12.7992

■ 48.0430, 54.2997,
12.7992

■ 47.0669, 53.1365,
10.0424

■ 49.2577, 55.5736,
16.7675

■ 46.2981, 52.0653,
8.3486

■ 50.7307, 56.9599,
22.0667

■ 45.6889, 51.0688,
7.4608

■ 52.4836, 58.4693,
28.8052

■ 45.6778, 51.0501,
7.4462

■ 54.5347, 60.1094,
37.0797

■ 56.9009, 61.8867,
46.9784

■ 59.5976, 63.8076,
58.5828

■ 62.6394, 65.8779,
71.9689

■ 66.0397, 68.1031,
87.2082

■ 69.8115, 70.4883,
104.3682

Harmonies

Analogous

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



61.3781, 54.2997, 14.3989



48.0430, 54.2997, 12.7992



37.5810, 54.2997, 18.8760

Triad

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



48.0430, 54.2997, 12.7992



34.3840, 54.2997, 115.7117



78.5347, 54.2997, 89.6140

Complementary

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



48.0430, 54.2997, 12.7992



16.7940, 11.4352, 63.6089

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.



68.7572, 54.2997, 134.9126



48.0430, 54.2997, 12.7992



42.9379, 54.2997, 153.8689

Square

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



48.0430, 54.2997, 12.7992



30.6092, 54.2997, 70.2134



55.3498, 54.2997, 162.0784



80.5209, 54.2997, 49.2669

Rectangle

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



48.0430, 54.2997, 12.7992



33.1032, 54.2997, 28.9681



55.3498, 54.2997, 162.0784



75.9798, 54.2997, 105.1684

Sweetspot

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



48.0443, 54.3023, 12.8003



85.8893, 93.6055, 69.0771



30.4802, 18.2624, 9.7563



18.1628, 19.8714, 13.8543



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.



48.0443, 54.3023, 12.8003



70.8604, 79.8661, 13.7605



38.0379, 54.4519, 13.3566



13.3603, 14.2949, 13.2157



28.2419, 31.6011, 4.6111



1.7351, 1.9695, 0.2887

Inverse Universe

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



16.7940, 11.4352, 63.6089



20.7065, 11.1873, 95.6758



21.5654, 12.4666, 63.5565



11.8428, 12.2091, 15.6699



7.5417, 3.3451, 38.7013



0.4902, 0.2723, 2.3460

Previews

White Background



This preview shows how the XYZ color 48.0430, 54.2997, 12.7992 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 48.0430, 54.2997, 12.7992 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 48.0430, 54.2997, 12.7992

Background



This preview shows how black text looks on a background with the XYZ color 48.0430, 54.2997, 12.7992.



This preview shows how white text looks on a background with the XYZ color 48.0430, 54.2997,

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

48.0430, 54.2997, 12.7992

Protanopia

49.3258, 54.2945, 12.5828

Deuteranopia

55.3545, 54.1700, 13.0072



Tritanopia

57.7650, 54.0462, 60.8135

Trichromacy



Original Color

48.0430, 54.2997, 12.7992

Protanomaly

48.9560, 54.4377, 12.6299

Deuteranomaly

52.4894, 53.9562, 12.9583

Tritanomaly

52.8358, 53.6252, 35.9997

Monochromacy



Original Color

48.0430, 54.2997, 12.7992

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.8016, 50.3820, 32.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0430, 54.2997, 12.7992 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(212, 197, 64)` looks like.

```
.text, #text, p{  
    color:rgb(212, 197, 64)  
}
```

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(212, 197, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 197, 64) }
```

Border

The CSS property to change the border of an element to XYZ 48.0430, 54.2997, 12.7992 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(212, 197, 64) }
```


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

```
.border{ border-color:rgb(212, 197, 64) }
```

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

Here you see how a box with a 4 pixel rgb(212, 197, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 197, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 197, 64);  
box-shadow:4px 4px 4px 4px rgb(212, 197,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0430, 54.2997, 12.7992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 197, 64) }
```

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

```
.background{ background-color: rgb(212,  
197, 64) }
```

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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