

Converting Colors

XYZ(49.0288, 54.1434, 12.5699)

Have a look what the booklet for
XYZ(49.0288, 54.1434, 12.5699)
contains.

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Color

**XYZ(49.0276, 54.1408,
12.5688)**

Conversions

Conversions Part 1

Format	Color
Hex	D9C33F
RGB	217, 195, 63
RGB Percent	85%, 76%, 25%
CMY	0.1490, 0.2353, 0.7529
CMYK	0.00, 0.10, 0.71, 0.15
HSL	51°, 67%, 55%
HSV	51°, 71%, 85%
XYZ	49.0276, 54.1408, 12.5688
YIQ	186.5300, 55.4840, -36.3880

Conversions

Conversions Part 2

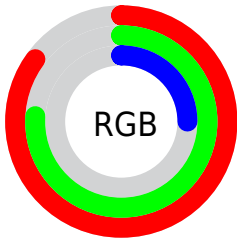
Format	Color
RYB	89, 217, 63
Decimal	14271295
CIELab	78.54, -6.52, 65.63
CIELCh	79, 65.949, 95.676
Yxy	54.1408, 0.4236, 0.4678
Android (android.graphics.Color)	4292461375 (0xFFD9C33F)
YUV	186.5300, -60.9003, 26.7222
Hunter-Lab	73.5804, -9.8289, 41.3786

Details

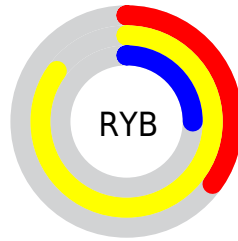
The XYZ color **49.0276, 54.1408, 12.5688** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **17.8228, 12.5633, 67.1309**, and the grayscale version is **47.2807, 49.7430, 54.1701**.

A 20% lighter version of the original color is **79.0072, 91.5624, 30.6487**, and **23.7736, 26.6151, 3.8842** is the 20% darker color. If you saturate the color by 10%, you get **47.8498, 52.5721, 9.7513**, and if you desaturate by 10%, it is **50.4612, 55.8390, 16.6513**.

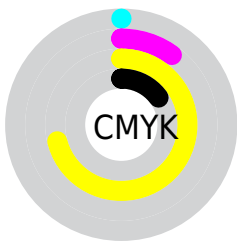
Distribution



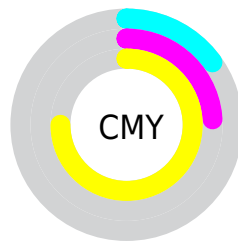
- Red (85%)
- Green (76%)
- Blue (25%)



- Red (35%)
- Yellow (85%)
- Blue (25%)



- Cyan (0%)
- Magenta (10%)
- Yellow (71%)
- Black (15%)



- Cyan (15%)
- Magenta (24%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0276, 54.1408, 12.5688 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 49.0276, 54.1408, 12.5688 by changing the saturation by 10% instead.

■ 49.0276, 54.1408,
12.5688

■ 49.0276, 54.1408,
12.5688

373.3661,
402.6467, 219.2453

■ 34.8560, 38.7142,
7.0051

■ 87.9329, 96.2809,
31.2067

■ 23.7180, 26.5375,
3.3868

■ 113.3974,
123.7633, 45.1179

■ 15.2481, 17.2262,
1.2954

■ 143.3568,
156.0331, 62.6487

■ 9.0812, 10.3959,
0.0580

■ 178.1765,
193.4747, 84.2176

■ 4.8517, 5.6622,
0.0000

■ 218.2220,
236.4724, 110.2432

■ 2.1944, 2.6408,
0.0000

263.8585,

■ 0.7398, 0.9472,

285.4107, 141.1439

0.0000

315.4514,
340.6740, 177.3385

■ 0.0000, 0.0000,
0.0000

■ 49.0276, 54.1408,
12.5688

■ 49.0276, 54.1408,
12.5688

■ 47.8498, 52.5721,
9.7513

■ 50.4612, 55.8390,
16.6513

■ 46.8941, 51.1131,
8.0377

■ 52.1720, 57.6692,
22.1277

■ 46.1756, 49.8726,
7.1927

■ 54.1833, 59.6430,
29.1145

■ 56.5149, 61.7683,
37.7154

■ 59.1846, 64.0525,
48.0245

■ 62.2092, 66.5024,
60.1290

■ 65.6042, 69.1243,
74.1099

■ 69.3839, 71.9241,
90.0435

■ 73.0257, 74.6928,
105.1760

Harmonies

Analogous

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



62.4508, 54.1408, 14.8343



49.0276, 54.1408, 12.5688



38.2209, 54.1408, 17.8375

Triad

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



49.0276, 54.1408, 12.5688



33.7158, 54.1408, 111.2982



77.7467, 54.1408, 93.6050

Complementary

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



49.0276, 54.1408, 12.5688



17.8228, 12.5633, 67.1309

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.



67.4478, 54.1408, 138.2661



49.0276, 54.1408, 12.5688



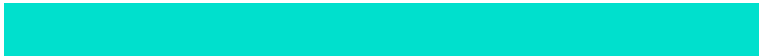
41.8395, 54.1408, 151.1385

Square

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



49.0276, 54.1408, 12.5688



30.3872, 54.1408, 66.3137



53.9699, 54.1408, 162.6599



80.5382, 54.1408, 52.1529

Rectangle

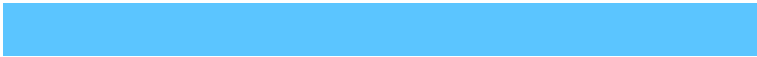
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0276, 54.1408, 12.5688



33.4613, 54.1408, 27.1093



53.9699, 54.1408, 162.6599



74.9722, 54.1408, 109.1986

Sweetspot

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



49.0288, 54.1434, 12.5699



85.2041, 92.2353, 68.8487



32.0768, 18.9807, 10.7990



17.9976, 19.5411, 13.7993



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.



49.0288, 54.1434, 12.5699



68.2613, 74.7363, 12.6827



40.8350, 57.7816, 13.7040



13.9955, 14.9303, 13.8698



28.0119, 30.3094, 4.3739



1.8591, 2.0523, 0.2981

Inverse Universe

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



17.8228, 12.5633, 67.1309



20.9994, 11.9185, 95.8015



21.6251, 12.3404, 66.8874



12.4880, 12.9157, 16.4869



7.9242, 3.7179, 40.0384



0.5623, 0.3388, 2.6102

Previews

White Background



This preview shows how the XYZ color 49.0276, 54.1408, 12.5688 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 49.0276, 54.1408, 12.5688 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 49.0276, 54.1408, 12.5688

Background



This preview shows how black text looks on a background with the XYZ color 49.0276, 54.1408, 12.5688.



This preview shows how white text looks on a background with the XYZ color 49.0276, 54.1408,

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

49.0276, 54.1408, 12.5688

Protanopia

49.3258, 54.2945, 12.5828

Deuteranopia

55.3242, 54.1579, 12.8478



Tritanopia

58.6867, 53.9354, 59.5420

Trichromacy



Original Color

49.0276, 54.1408, 12.5688

Protanomaly

49.3258, 54.2945, 12.5828

Deuteranomaly

53.1126, 54.2810, 12.8322

Tritanomaly

53.8561, 53.5261, 35.5100

Monochromacy



Original Color

49.0276, 54.1408, 12.5688

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5846, 50.7857, 32.9385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0276, 54.1408, 12.5688 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(217, 195, 63)` looks like.

```
.text, #text, p{  
    color:rgb(217, 195, 63)  
}
```

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(217, 195, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 195, 63) }
```

Border

The CSS property to change the border of an element to XYZ 49.0276, 54.1408, 12.5688 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(217, 195, 63) }
```


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

```
.border{ border-color:rgb(217, 195, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 195, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 195, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 195, 63);  
box-shadow:4px 4px 4px 4px rgb(217, 195,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0276, 54.1408, 12.5688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 195, 63) }
```

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

```
.background{ background-color: rgb(217,  
195, 63) }
```

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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