

Converting Colors

XYZ(50.0259, 54.9651, 13.6160)

Have a look what the booklet for
XYZ(50.0259, 54.9651, 13.6160)
contains.

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Color

**XYZ(50.0275, 54.9696,
13.6037)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC445
RGB	219, 196, 69
RGB Percent	86%, 77%, 27%
CMY	0.1412, 0.2313, 0.7294
CMYK	0.00, 0.10, 0.68, 0.14
HSL	51°, 68%, 56%
HSV	51°, 68%, 86%
XYZ	50.0275, 54.9696, 13.6037
YIQ	188.3990, 54.4750, -34.6210

Conversions

Conversions Part 2

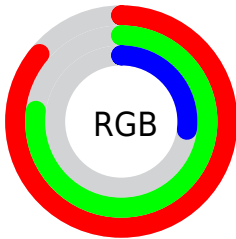
Format	Color
RYB	96, 219, 69
Decimal	14402629
CIELab	79.02, -5.88, 63.85
CIELCh	79, 64.121, 95.265
Yxy	54.9696, 0.4218, 0.4635
Android (android.graphics.Color)	4292592709 (0xFFDBC445)
YUV	188.3990, -58.8637, 26.8371
Hunter-Lab	74.1415, -9.3034, 41.0203

Details

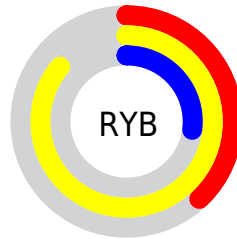
The XYZ color **50.0275, 54.9696, 13.6037** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **19.0676, 14.0337, 68.7211**, and the grayscale version is **48.3313, 50.8483, 55.3738**.

A 20% lighter version of the original color is **79.6885, 92.3360, 32.6914**, and **24.3197, 27.1185, 3.9526** is the 20% darker color. If you saturate the color by 10%, you get **48.7208, 53.2509, 10.4109**, and if you desaturate by 10%, it is **51.6045, 56.8278, 18.1249**.

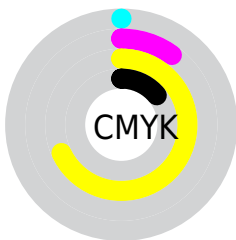
Distribution



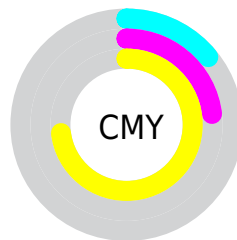
- Red (86%)
- Green (77%)
- Blue (27%)



- Red (38%)
- Yellow (86%)
- Blue (27%)



- Cyan (0%)
- Magenta (10%)
- Yellow (68%)
- Black (14%)



- Cyan (14%)
- Magenta (23%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0275, 54.9696, 13.6037 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 50.0275, 54.9696, 13.6037 by changing the saturation by 10% instead.

■ 50.0275, 54.9696,
13.6037

■ 50.0275, 54.9696,
13.6037

377.2237,
405.7967, 226.0933

■ 35.6531, 39.3774,
7.7100

■ 89.4072, 97.4964,
33.0911

■ 24.3353, 27.0534,
3.8248

■ 115.1432,
125.1998, 47.5219

■ 15.7086, 17.6134,
1.5297

■ 145.3972,
157.7090, 65.6354

■ 9.4077, 10.6728,
0.2399

■ 180.5345,
195.4085, 87.8502

■ 5.0673, 5.8472,
0.0000

■ 220.9204,
238.6826, 114.5849

■ 2.3220, 2.7524,
0.0000

266.9204,

■ 0.8059, 1.0039,

287.9157, 146.2580

0.0000

318.8997,
343.4923, 183.2879

■ 0.0000, 0.0000,
0.0000

■ 50.0275, 54.9696,
13.6037

■ 50.0275, 54.9696,
13.6037

■ 48.7208, 53.2509,
10.4109

■ 51.6045, 56.8278,
18.1249

■ 47.6513, 51.6518,
8.3896

■ 53.4727, 58.8276,
24.1016

■ 46.7764, 50.1574,
7.3109

■ 55.6555, 60.9807,
31.6496

■ 46.6518, 49.9372,
7.1800

■ 58.1724, 63.2952,
40.8724

■ 61.0416, 65.7783,
51.8644

■ 64.2798, 68.4369,
64.7131

■ 67.9024, 71.2775,
79.4999

■ 71.9243, 74.3061,
96.3018

■ 74.5194, 76.7924,
105.5026

Harmonies

Analogous

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



63.2014, 54.9696, 16.0256



50.0275, 54.9696, 13.6037



39.3217, 54.9696, 18.8564

Triad

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



50.0275, 54.9696, 13.6037



34.6638, 54.9696, 110.2851



77.8527, 54.9696, 94.3353

Complementary

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



50.0275, 54.9696, 13.6037



19.0676, 14.0337, 68.7211

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.



67.7332, 54.9696, 137.5201



50.0275, 54.9696, 13.6037



42.6376, 54.9696, 149.0568

Square

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



50.0275, 54.9696, 13.6037



31.4237, 54.9696, 66.5355



54.5311, 54.9696, 160.6461



80.6884, 54.9696, 53.6328

Rectangle

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



50.0275, 54.9696, 13.6037



34.5648, 54.9696, 28.0767



54.5311, 54.9696, 160.6461



75.1177, 54.9696, 109.4868

Sweetspot

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



50.0288, 54.9722, 13.6048



85.0326, 91.8921, 68.7915



33.3621, 20.1249, 12.7166



17.9563, 19.4584, 13.7855



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.



50.0288, 54.9722, 13.6048



68.1045, 74.2031, 13.3076



42.7680, 59.5275, 14.8668



13.9833, 14.9060, 13.8657



27.7277, 29.7410, 4.2792



1.8433, 2.0206, 0.2929

Inverse Universe

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



19.0676, 14.0337, 68.7211



21.8933, 13.2407, 96.0096



22.5226, 13.2933, 68.3961



12.4990, 12.9378, 16.4906



7.9640, 3.7974, 40.0516



0.5675, 0.3492, 2.6119

Previews

White Background



This preview shows how the XYZ color 50.0275, 54.9696, 13.6037 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 50.0275, 54.9696, 13.6037 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 50.0275, 54.9696, 13.6037

Background



This preview shows how black text looks on a background with the XYZ color 50.0275, 54.9696, 13.6037.



This preview shows how white text looks on a background with the XYZ color 50.0275, 54.9696,

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

50.0275, 54.9696, 13.6037

Protanopia

50.0275, 54.9696, 13.6037

Deuteranopia

56.0368, 54.8188, 13.7585



Tritanopia

59.4396, 54.6022, 60.8326

Trichromacy



Original Color

50.0275, 54.9696, 13.6037

Protanomaly

50.0275, 54.9696, 13.6037

Deuteranomaly

53.8117, 54.9440, 13.7303

Tritanomaly

54.6205, 54.2084, 36.8626

Monochromacy



Original Color

50.0275, 54.9696, 13.6037

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.2948, 51.4481, 34.2258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0275, 54.9696, 13.6037 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(219, 196, 69)` looks like.

```
.text, #text, p{  
    color:rgb(219, 196, 69)  
}
```

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(219, 196, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 196, 69) }
```

Border

The CSS property to change the border of an element to XYZ 50.0275, 54.9696, 13.6037 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(219, 196, 69) }
```


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

```
.border{ border-color:rgb(219, 196, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 196, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 196, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 196, 69);  
box-shadow:4px 4px 4px 4px rgb(219, 196,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0275, 54.9696, 13.6037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 196, 69) }
```

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

```
.background{ background-color: rgb(219,  
196, 69) }
```

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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