

Converting Colors

XYZ(50.9841, 65.0907, 13.3824)

Have a look what the booklet for
XYZ(50.9841, 65.0907, 13.3824)
contains.

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Color

**XYZ(50.8745, 64.9264,
13.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	C9DE36
RGB	201, 222, 54
RGB Percent	79%, 87%, 21%
CMY	0.2118, 0.1294, 0.7882
CMYK	0.09, 0.00, 0.76, 0.13
HSL	68°, 72%, 54%
HSV	68°, 76%, 87%
XYZ	50.8745, 64.9264, 13.3407
YIQ	196.5690, 41.4120, -56.7000

Conversions

Conversions Part 2

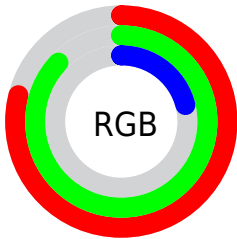
Format	Color
RYB	54, 222, 75
Decimal	13229622
CIELab	84.45, -26.99, 73.85
CIELCh	84, 78.625, 110.076
Yxy	64.9264, 0.3939, 0.5028
Android (android.graphics.Color)	4291419702 (0xFFC9DE36)
YUV	196.5690, -70.2865, 3.8860
Hunter-Lab	80.5769, -28.3086, 46.5875

Details

The XYZ color **50.8745, 64.9264, 13.3407** 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 **17.4078, 9.4096, 70.0100**, and the grayscale version is **53.2055, 55.9763, 60.9582**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **25.1464, 33.4771, 5.1364** is the 20% darker color. If you saturate the color by 10%, you get **49.7285, 64.3849, 11.1593**, and if you desaturate by 10%, it is **52.2748, 65.5759, 16.7776**.

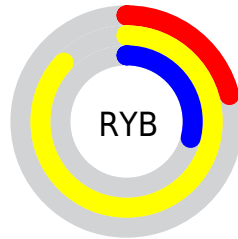
Distribution



Red (79%)

Green (87%)

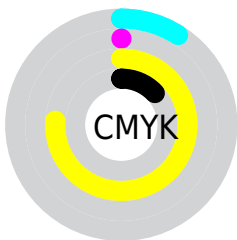
Blue (21%)



Red (21%)

Yellow (87%)

Blue (29%)

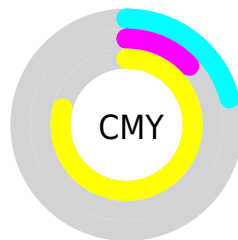


Cyan (9%)

Magenta (0%)

Yellow (76%)

Black (13%)



Cyan (21%)

Magenta (13%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8745, 64.9264, 13.3407 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 50.8745, 64.9264, 13.3407 by changing the saturation by 10% instead.

■ 50.8745, 64.9264,
13.3407

■ 50.8745, 64.9264,
13.3407

380.4717,
442.5274, 224.3737

■ 36.3294, 47.4014,
7.5301

■ 90.6533, 111.9440,
32.6146

■ 24.8600, 33.3531,
3.7123

■ 116.6177,
142.2055, 46.9150

■ 16.1009, 22.3971,
1.4689

■ 147.1193,
177.4812, 64.8825

■ 9.6869, 14.1490,
0.1946

■ 182.5234,
218.1555, 86.9355

■ 5.2525, 8.2243,
0.0000

■ 223.1953,
264.6129, 113.4925

■ 2.4325, 4.2388,
0.0000

269.5004,

■ 0.8613, 1.8080,

317.2378, 144.9722

0.0000

321.8041,
376.4145, 181.7931

■ 0.0000, 0.4922,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.8745, 64.9264,
13.3407

■ 50.8745, 64.9264,
13.3407

■ 49.7285, 64.3849,
11.1593

■ 52.2748, 65.5759,
16.7776

■ 48.7969, 63.9284,
10.0434

■ 53.9536, 66.3360,
21.6170

■ 48.4342, 63.7475,
9.7517

■ 55.9371, 67.2195,
27.9900

■ 58.2473, 68.2353,
36.0116

■ 60.9040, 69.3913,
45.7858

■ 63.9253, 70.6947,
57.4081

■ 67.3281, 72.1523,
70.9669

■ 71.1283, 73.7705,
86.5451

■ 75.3407, 75.5552,
104.2209

Harmonies

Analogous

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



67.6879, 64.9264, 11.9418



50.8745, 64.9264, 13.3407



39.3517, 64.9264, 25.1566

Triad

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



50.8745, 64.9264, 13.3407



42.5513, 64.9264, 173.2270



101.1047, 64.9264, 88.6200

Complementary

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



50.8745, 64.9264, 13.3407



17.4078, 9.4096, 70.0100

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.



91.2510, 64.9264, 152.2394



50.8745, 64.9264, 13.3407



56.0959, 64.9264, 214.2754

Square

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



50.8745, 64.9264, 13.3407



35.2133, 64.9264, 109.1634



73.9855, 64.9264, 205.1717



98.9798, 64.9264, 42.5258

Rectangle

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



50.8745, 64.9264, 13.3407



35.1923, 64.9264, 42.6970



73.9855, 64.9264, 205.1717



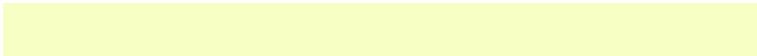
99.0216, 64.9264, 108.8432

Sweetspot

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



50.8760, 64.9294, 13.3421



84.3569, 95.4170, 66.4049



33.2146, 20.6421, 5.7246



17.7507, 20.2911, 13.0604



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.



50.8760, 64.9294, 13.3421



67.2734, 87.7479, 14.1994



34.3153, 56.3920, 12.5670



14.6943, 15.9381, 14.6087



28.8323, 37.8961, 5.7951



2.0464, 2.6514, 0.4039

Inverse Universe

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



17.4078, 9.4096, 70.0100



19.7698, 8.5600, 95.2180



28.5283, 15.1424, 70.5304



13.1105, 13.3250, 17.2687



8.1624, 3.3032, 41.2557



0.6187, 0.2562, 2.8621

Previews

White Background



This preview shows how the XYZ color 50.8745, 64.9264, 13.3407 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 50.8745, 64.9264, 13.3407 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 50.8745, 64.9264, 13.3407

Background



This preview shows how black text looks on a background with the XYZ color 50.8745, 64.9264, 13.3407.



This preview shows how white text looks on a background with the XYZ color 50.8745, 64.9264,

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

50.8745, 64.9264, 13.3407

Protanopia

58.4839, 64.6604, 12.5302

Deuteranopia

65.1750, 64.6268, 23.7910



Tritanopia

64.2474, 64.7051, 78.9152

Trichromacy



Original Color

50.8745, 64.9264, 13.3407

Protanomaly

55.3517, 64.5368, 12.7883

Deuteranomaly

58.9069, 64.0013, 18.9216

Tritanomaly

56.9290, 63.5445, 43.4473

Monochromacy



Original Color

50.8745, 64.9264, 13.3407

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.4708, 58.1927, 35.3603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8745, 64.9264, 13.3407 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(201, 222, 54)` looks like.

```
.text, #text, p{  
    color:rgb(201, 222, 54)  
}
```

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(201, 222, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 222, 54) }
```

Border

The CSS property to change the border of an element to XYZ 50.8745, 64.9264, 13.3407 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(201, 222, 54) }
```


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

```
.border{ border-color:rgb(201, 222, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 222, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 222, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 222, 54);  
box-shadow:4px 4px 4px 4px rgb(201, 222,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8745, 64.9264, 13.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 222, 54) }
```

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

```
.background{ background-color: rgb(201,  
222, 54) }
```

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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