

Converting Colors

XYZ(52.2822, 64.3289, 24.3055)

Have a look what the booklet for
XYZ(52.2822, 64.3289, 24.3055)
contains.

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Color

**XYZ(52.2334, 64.2063,
24.3919)**

Conversions

Conversions Part 1

Format	Color
Hex	C9DB6E
RGB	201, 219, 110
RGB Percent	79%, 86%, 43%
CMY	0.2118, 0.1412, 0.5686
CMYK	0.08, 0.00, 0.50, 0.14
HSL	70°, 60%, 65%
HSV	70°, 50%, 86%
XYZ	52.2334, 64.2063, 24.3919
YIQ	201.1920, 24.2610, -37.7150

Conversions

Conversions Part 2

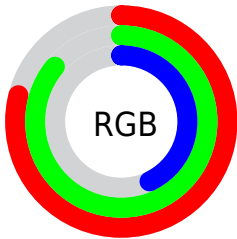
Format	Color
RYB	110, 219, 128
Decimal	13228910
CIELab	84.07, -21.80, 51.07
CIElCh	84, 55.531, 113.115
Yxy	64.2063, 0.3709, 0.4559
Android (android.graphics.Color)	4291418990 (0xFFC9DB6E)
YUV	201.1920, -44.9577, -0.1684
Hunter-Lab	80.1288, -23.8671, 38.0418

Details

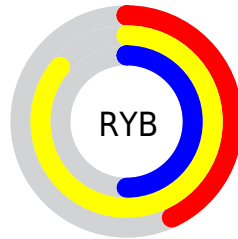
The XYZ color **52.2334, 64.2063, 24.3919** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.2665, 20.8571, 69.6103**, and the grayscale version is **55.8976, 58.8086, 64.0426**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **25.7162, 32.8761, 8.9933** is the 20% darker color. If you saturate the color by 10%, you get **50.2248, 63.2941, 18.8246**, and if you desaturate by 10%, it is **54.5626, 65.2540, 31.5147**.

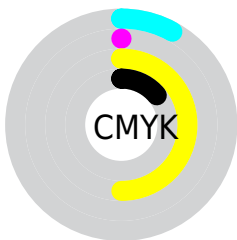
Distribution



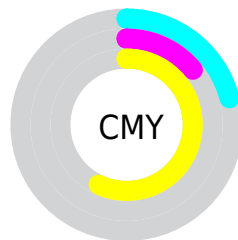
- Red (79%)
- Green (86%)
- Blue (43%)



- Red (43%)
- Yellow (86%)
- Blue (50%)



- Cyan (8%)
- Magenta (0%)
- Yellow (50%)
- Black (14%)





- Cyan (21%)
- Magenta (14%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2334, 64.2063, 24.3919 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 52.2334, 64.2063, 24.3919 by changing the saturation by 10% instead.


 52.2334, 64.2063,
24.3919


 52.2334, 64.2063,
24.3919


385.6462,
439.9342, 288.1460

 37.4162, 46.8178,
15.4097


 92.6476, 110.9080,
51.6208


 25.7050, 32.8916,
8.9576


 118.9752,
140.9900, 70.7046

 16.7346, 22.0434,
4.6171


 149.8703,
176.0719, 93.9926

 10.1396, 13.8888,
1.9696

 185.6983,
216.5381, 121.9035

 5.5546, 8.0434,
0.5365

226.8246,
262.7730, 154.8557

 2.6142, 4.1227,
0.0000

273.6144,

 0.9532, 1.7424,

315.1611, 193.2679

0.0000

326.4331,
374.0867, 237.5584

■ 0.0000, 0.4509,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.2334, 64.2063,
24.3919

■ 52.2334, 64.2063,
24.3919

■ 50.2248, 63.2941,
18.8246

■ 54.5626, 65.2540,
31.5147

■ 48.5101, 62.4998,
14.6924


■ 57.2280, 66.4364,
40.2936


■ 47.0652, 61.8161,
11.8638


■ 60.2492, 67.7639,
50.8255


■ 45.8602, 61.2309,
10.1811


■ 63.6431, 69.2433,
63.1985


 44.8432, 60.7234,
9.3717


 67.4257, 70.8807,
77.4950

 44.8208, 60.7122,
9.3563

 71.6117, 72.6823,
93.7923

 74.8484, 74.1069,
104.9669

 75.9971, 74.6990,
105.0206

 77.1698, 75.3036,
105.0755

Harmonies

Analogous

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



63.8955, 64.2063, 22.0283



52.2334, 64.2063, 24.3919



44.0493, 64.2063, 36.7177

Triad

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



52.2334, 64.2063, 24.3919



47.9446, 64.2063, 138.9890



87.5431, 64.2063, 78.3182

Complementary

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



52.2334, 64.2063, 24.3919



27.2665, 20.8571, 69.6103

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.



81.8852, 64.2063, 118.7546



52.2334, 64.2063, 24.3919



58.2440, 64.2063, 160.6153

Square

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



52.2334, 64.2063, 24.3919



41.8146, 64.2063, 99.8972



70.7541, 64.2063, 152.1802



85.3709, 64.2063, 46.6183

Rectangle

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



52.2334, 64.2063, 24.3919



41.1374, 64.2063, 52.0795



70.7541, 64.2063, 152.1802



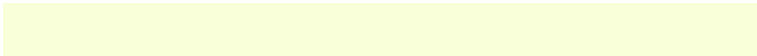
86.4713, 64.2063, 91.4056

Sweetspot

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



52.2349, 64.2092, 24.3933



87.2054, 96.5981, 79.5244



39.5358, 31.1990, 18.6910



18.4510, 20.5824, 16.2440



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.



52.2349, 64.2092, 24.3933



70.7038, 89.2572, 26.0722



40.3881, 58.1020, 23.8388



13.9401, 15.1494, 13.9150



26.6547, 36.0385, 5.5513



1.7842, 2.3643, 0.3623

Inverse Universe

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



27.2665, 20.8571, 69.6103



31.5945, 21.2558, 97.0453



37.3851, 26.0734, 70.0838



12.5381, 12.7200, 16.4465



8.0783, 3.2887, 39.9474



0.5861, 0.2454, 2.5909

Previews

White Background



This preview shows how the XYZ color 52.2334, 64.2063, 24.3919 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 52.2334, 64.2063, 24.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

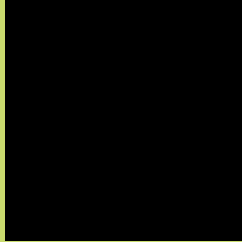
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2334, 64.2063, 24.3919

Background



This preview shows how black text looks on a background with the XYZ color 52.2334, 64.2063, 24.3919.



This preview shows how white text looks on a background with the XYZ color 52.2334, 64.2063, 24.3919.

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

52.2334, 64.2063, 24.3919

Protanopia

58.6554, 64.1436, 23.1994

Deuteranopia

65.1643, 63.8766, 26.0344



Tritanopia

63.3637, 64.2495, 78.8738

Trichromacy



Original Color

52.2334, 64.2063, 24.3919

Protanomaly

56.0162, 63.8869, 23.5664

Deuteranomaly

59.6683, 63.5256, 25.3365

Tritanomaly

58.0323, 63.5212, 53.4582

Monochromacy



Original Color

52.2334, 64.2063, 24.3919

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.7112, 60.3564, 45.8649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2334, 64.2063, 24.3919 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, 219, 110)` looks like.

```
.text, #text, p{  
    color:rgb(201, 219, 110)  
}
```

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, 219, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 219, 110) }
```

Border

The CSS property to change the border of an element to XYZ 52.2334, 64.2063, 24.3919 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, 219, 110) }
```


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

```
.border{ border-color:rgb(201, 219, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 219, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 219, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 219, 110);  
box-shadow:4px 4px 4px 4px rgb(201, 219,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2334, 64.2063, 24.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 219, 110) }
```

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

```
.background{ background-color: rgb(201,  
219, 110) }
```

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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