

Converting Colors

XYZ(51.9442, 59.5798, 43.0684)

Have a look what the booklet for
XYZ(51.9442, 59.5798, 43.0684)
contains.

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Color

**XYZ(51.8424, 59.4561,
42.9262)**

Conversions

Conversions Part 1

Format	Color
Hex	C4D0A2
RGB	196, 208, 162
RGB Percent	77%, 82%, 64%
CMY	0.2314, 0.1843, 0.3647
CMYK	0.06, 0.00, 0.22, 0.18
HSL	76°, 33%, 73%
HSV	76°, 22%, 82%
XYZ	51.8424, 59.4561, 42.9262
YIQ	199.1680, 7.6140, -16.8500

Conversions

Conversions Part 2

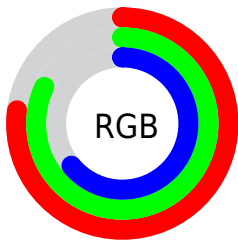
Format	Color
RYB	162, 208, 174
Decimal	12898466
CIELab	81.54, -11.91, 21.52
CIElCh	82, 24.601, 118.963
Yxy	59.4561, 0.3361, 0.3855
Android (android.graphics.Color)	4291088546 (0xFFC4D0A2)
YUV	199.1680, -18.3238, -2.7783
Hunter-Lab	77.1078, -14.9265, 20.9685

Details

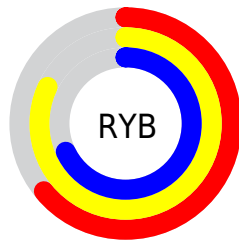
The XYZ color **51.8424, 59.4561, 42.9262** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.7633, 39.3950, 65.0805**, and the grayscale version is **54.4956, 57.3336, 62.4363**.

A 20% lighter version of the original color is **88.7924, 97.4124, 79.7683**, and **25.5254, 29.9878, 19.1947** is the 20% darker color. If you saturate the color by 10%, you get **48.7584, 58.0643, 33.9156**, and if you desaturate by 10%, it is **55.2865, 61.0018, 53.5526**.

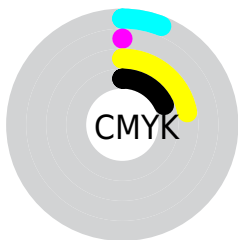
Distribution



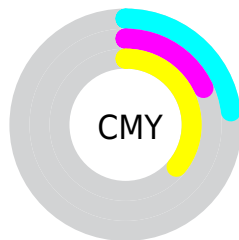
- Red (77%)
- Green (82%)
- Blue (64%)



- Red (64%)
- Yellow (82%)
- Blue (68%)



- Cyan (6%)
- Magenta (0%)
- Yellow (22%)
- Black (18%)



- Cyan (23%)
- Magenta (18%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8424, 59.4561, 42.9262 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 51.8424, 59.4561, 42.9262 by changing the saturation by 10% instead.

■ 51.8424, 59.4561,
42.9262

■ 51.8424, 59.4561,
42.9262

384.1618,
422.5901, 374.2205

■ 37.1032, 42.9804,
29.4962

■ 92.0744, 104.0403,
80.8846

■ 25.4615, 29.8697,
19.2077

■ 118.2979,
132.9175, 106.2502

■ 16.5518, 19.7397,
11.6422

149.0802,
166.6974, 136.4314

■ 10.0087, 12.2060,
6.3809

184.7868,
205.7643, 171.8467

■ 5.4671, 6.8841,
3.0056

225.7828,
250.5026, 212.9148

■ 2.5614, 3.3897,
1.0975

272.4338,

■ 0.9263, 1.3384,

301.2968, 260.0540

0.0000

325.1050,
358.5311, 313.6831

■ 0.0000, 0.1707,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8424, 59.4561,
42.9262

■ 51.8424, 59.4561,
42.9262

■ 48.7584, 58.0643,
33.9156

■ 55.2865, 61.0018,
53.5526

■ 46.0142, 56.8123,
26.4378

■ 59.1005, 62.6995,
65.8646

■ 43.5947, 55.6959,
20.4081

■ 63.2997, 64.5572,
79.9326

■ 41.4812, 54.7077,
15.7323

■ 67.8970, 66.5802,
95.8221

■ 39.6533, 53.8394,
12.3050

■ 71.0815, 68.0443,
103.9952

■ 38.0874, 53.0814,
10.0050

■ 72.7823, 68.9211,
104.0748

■ 36.7554, 52.4225,
8.6873

■ 74.5372, 69.8258,
104.1569

■ 35.8316, 51.9574,
8.1403

■ 76.3466, 70.7586,
104.2416

■ 78.2112, 71.7198,
104.3289

Harmonies

Analogous

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



56.6910, 59.4561, 40.2841



51.8424, 59.4561, 42.9262



48.4305, 59.4561, 51.1664

Triad

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



51.8424, 59.4561, 42.9262



51.5493, 59.4561, 92.2589



67.0212, 59.4561, 65.2533

Complementary

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



51.8424, 59.4561, 42.9262



41.7633, 39.3950, 65.0805

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.



65.4443, 59.4561, 80.5184



51.8424, 59.4561, 42.9262



56.3318, 59.4561, 97.5003

Square

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



51.8424, 59.4561, 42.9262



48.2686, 59.4561, 79.4924



61.4523, 59.4561, 92.9118



65.6425, 59.4561, 51.9318

Rectangle

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



51.8424, 59.4561, 42.9262



47.3232, 59.4561, 59.4494



61.4523, 59.4561, 92.9118



66.8176, 59.4561, 70.3304

Sweetspot

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



51.8440, 59.4587, 42.9275



90.6151, 98.0305, 94.3816



47.5757, 46.0996, 40.5739



19.3165, 20.9475, 19.9474



0.0000, 0.0000, 0.0000



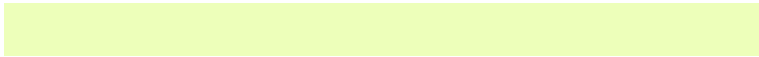
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8440, 59.4587, 42.9275



79.5753, 93.0819, 60.3106



46.4238, 56.6645, 42.6738



12.4898, 13.6360, 12.5858



22.4257, 32.4298, 5.0776



1.3259, 1.8504, 0.2873

Inverse Universe

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



41.7633, 39.3950, 65.0805



60.5742, 55.2548, 102.0804



47.2027, 42.1991, 65.3351



11.4488, 11.5647, 14.8724



8.1310, 3.3720, 37.4148



0.5301, 0.2275, 2.0955

Previews

White Background



This preview shows how the XYZ color 51.8424, 59.4561, 42.9262 looks on a white background.

Color Contrast Check

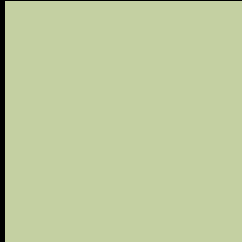
Large Text (above 18pt) WCAG AA × Fail

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 51.8424, 59.4561, 42.9262 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

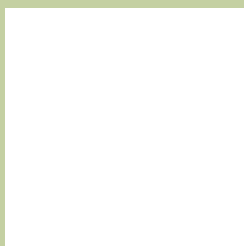
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8424, 59.4561, 42.9262

Background



This preview shows how black text looks on a background with the XYZ color 51.8424, 59.4561, 42.9262.



This preview shows how white text looks on a background with the XYZ color 51.8424, 59.4561,

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

51.8424, 59.4561, 42.9262

Protanopia

55.4029, 59.1913, 41.3059

Deuteranopia

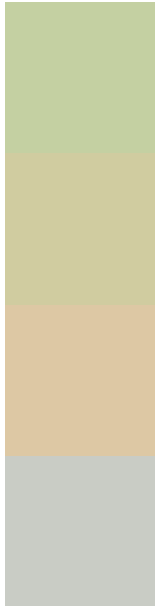
60.5676, 59.4090, 43.8721



Tritanopia

58.3129, 59.6204, 74.0801

Trichromacy



Original Color

51.8424, 59.4561, 42.9262

Protanomaly

53.9505, 59.1337, 41.8282

Deuteranomaly

57.1739, 59.3610, 43.5664

Tritanomaly

55.7583, 59.6345, 61.3951

Monochromacy



Original Color

51.8424, 59.4561, 42.9262

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

53.2722, 57.7920, 54.8016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8424, 59.4561, 42.9262 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(196, 208, 162)` looks like.

```
.text, #text, p{  
    color:rgb(196, 208, 162)  
}
```

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(196, 208, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 208, 162) }
```

Border

The CSS property to change the border of an element to XYZ 51.8424, 59.4561, 42.9262 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(196, 208, 162) }
```


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

```
.border{ border-color:rgb(196, 208, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 208, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 208, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 208, 162);  
box-shadow:4px 4px 4px 4px rgb(196, 208,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8424, 59.4561, 42.9262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 208, 162) }
```

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

```
.background{ background-color: rgb(196,  
208, 162) }
```

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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