

Converting Colors

XYZ(51.8000, 64.0641, 20.7018)

Have a look what the booklet for
XYZ(51.8000, 64.0641, 20.7018)
contains.

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Color

**XYZ(51.8000, 64.0641,
20.7018)**

Conversions

Conversions Part 1

Format	Color
Hex	CADB60
RGB	202, 219, 96
RGB Percent	79%, 86%, 38%
CMY	0.2078, 0.1412, 0.6235
CMYK	0.08, 0.00, 0.56, 0.14
HSL	68°, 63%, 62%
HSV	68°, 56%, 86%
XYZ	51.8000, 64.0641, 20.7018
YIQ	199.8950, 29.3510, -41.8570

Conversions

Conversions Part 2

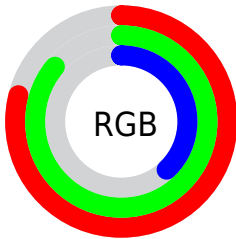
Format	Color
RYB	96, 219, 113
Decimal	13294432
CIELab	84.00, -22.62, 57.41
CIElCh	84, 61.703, 111.503
Yxy	64.0641, 0.3793, 0.4691
Android (android.graphics.Color)	4291484512 (0xFFCADB60)
YUV	199.8950, -51.2202, 1.8461
Hunter-Lab	80.0401, -24.5492, 40.6931

Details

The XYZ color **51.8000, 64.0641, 20.7018** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.7813, 16.9925, 69.0480**, and the grayscale version is **55.1293, 58.0003, 63.1623**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **25.3528, 32.7308, 7.0793** is the 20% darker color. If you saturate the color by 10%, you get **50.1182, 63.3000, 16.0734**, and if you desaturate by 10%, it is **53.7818, 64.9547, 26.8126**.

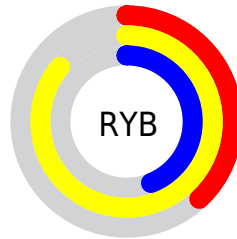
Distribution



Red (79%)

Green (86%)

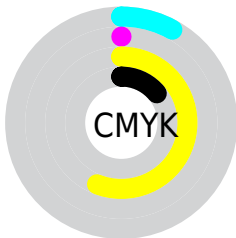
Blue (38%)



Red (38%)

Yellow (86%)

Blue (44%)

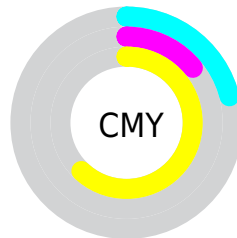


Cyan (8%)

Magenta (0%)

Yellow (56%)

Black (14%)



Cyan (21%)

Magenta (14%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8000, 64.0641, 20.7018 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 51.8000, 64.0641, 20.7018 by changing the saturation by 10% instead.

■ 51.8000, 64.0641,
20.7018

■ 51.8000, 64.0641,
20.7018

384.0007,
439.4211, 268.4182

■ 37.0693, 46.7026,
12.7171

■ 92.0122, 110.7032,
45.4650

■ 25.4351, 32.8006,
7.1056

■ 118.2244,
140.7497, 63.0807

■ 16.5320, 21.9737,
3.4488

■ 148.9945,
175.7932, 84.7437

■ 9.9946, 13.8376,
1.3281

■ 184.6878,
216.2182, 110.8726

■ 5.4576, 8.0078,
0.0847

225.6698,
262.4091, 141.8859

■ 2.5557, 4.0999,
0.0000

272.3056,

■ 0.9234, 1.7296,

314.7503, 178.2023

0.0000

324.9608,
373.6262, 220.2402

0.0000, 0.4427,
0.0000

0.0000, 0.0000,
0.0000

51.8000, 64.0641,
20.7018

51.8000, 64.0641,
20.7018

50.1182, 63.3000,
16.0734

53.7818, 64.9547,
26.8126

48.7078, 62.6439,
12.7971


56.0802, 65.9715,
34.5135


47.5422, 62.0876,
10.7270


58.7162, 67.1252,
43.9070


46.5863, 61.6171,
9.6792


61.7074, 68.4229,
55.0857


 46.2515, 61.4498,
9.4233

 65.0703, 69.8712,
68.1355

 68.8201, 71.4761,
83.1369

 72.9713, 73.2436,
100.1655

 74.8168, 74.0906,
104.9654

 75.7760, 74.5851,
105.0103

Harmonies

Analogous

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



64.8373, 64.0641, 18.8092



51.8000, 64.0641, 20.7018



42.6323, 64.0641, 32.7506

Triad

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



51.8000, 64.0641, 20.7018



46.0206, 64.0641, 146.3176



90.5884, 64.0641, 81.4166

Complementary

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



51.8000, 64.0641, 20.7018



23.7813, 16.9925, 69.0480

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.



83.7355, 64.0641, 127.5297



51.8000, 64.0641, 20.7018



57.1082, 64.0641, 173.1346

Square

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



51.8000, 64.0641, 20.7018



39.6577, 64.0641, 100.9646



70.9879, 64.0641, 165.2104



88.6053, 64.0641, 45.7473

Rectangle

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



51.8000, 64.0641, 20.7018



39.3062, 64.0641, 48.5905



70.9879, 64.0641, 165.2104



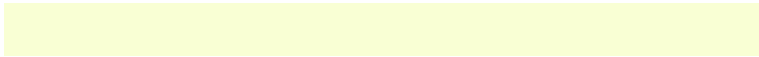
89.2090, 64.0641, 96.3149

Sweetspot

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



51.8015, 64.0670, 20.7031



86.6689, 96.3968, 76.0946



37.1654, 27.5832, 14.4325



18.3609, 20.5507, 15.5693



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.



51.8015, 64.0670, 20.7031



70.4437, 89.2146, 21.9257



38.4467, 57.1823, 20.0781



13.9760, 15.1679, 13.9167



27.4928, 36.4706, 5.5905



1.8309, 2.3884, 0.3645

Inverse Universe

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



23.7813, 16.9925, 69.0480



27.3885, 16.7577, 96.3988



34.4044, 22.4689, 69.5452



12.5053, 12.7031, 16.4450



7.9577, 3.2265, 39.9418



0.5706, 0.2374, 2.5902

Previews

White Background



This preview shows how the XYZ color 51.8000, 64.0641, 20.7018 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 51.8000, 64.0641, 20.7018 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 51.8000, 64.0641, 20.7018

Background



This preview shows how black text looks on a background with the XYZ color 51.8000, 64.0641, 20.7018.



This preview shows how white text looks on a background with the XYZ color 51.8000, 64.0641,

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

51.8000, 64.0641, 20.7018

Protanopia

58.0550, 63.5470, 19.5619

Deuteranopia

64.8189, 63.7384, 24.2157



Tritanopia

63.5750, 64.0155, 78.1127

Trichromacy



Original Color

51.8000, 64.0641, 20.7018

Protanomaly

55.6334, 63.7688, 19.9661

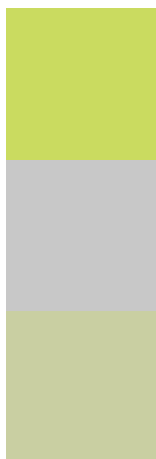
Deuteranomaly

59.5064, 63.4991, 22.7559

Tritanomaly

57.9947, 63.5720, 50.2883

Monochromacy



Original Color

51.8000, 64.0641, 20.7018

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.9218, 59.6518, 42.9071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8000, 64.0641, 20.7018 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(202, 219, 96)` looks like.

```
.text, #text, p{  
    color:rgb(202, 219, 96)  
}
```

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(202, 219, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 219, 96) }
```

Border

The CSS property to change the border of an element to XYZ 51.8000, 64.0641, 20.7018 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(202, 219, 96) }
```


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

```
.border{ border-color:rgb(202, 219, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 219, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 219, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 219, 96);  
box-shadow:4px 4px 4px 4px rgb(202, 219,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8000, 64.0641, 20.7018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 219, 96) }
```

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

```
.background{ background-color: rgb(202,  
219, 96) }
```

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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