

Converting Colors

XYZ(52.7281, 64.8923, 18.4125)

Have a look what the booklet for
XYZ(52.7281, 64.8923, 18.4125)
contains.

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Color

**XYZ(52.6865, 64.9641,
18.3568)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDC55
RGB	206, 220, 85
RGB Percent	81%, 86%, 33%
CMY	0.1922, 0.1372, 0.6667
CMYK	0.06, 0.00, 0.61, 0.14
HSL	66°, 66%, 60%
HSV	66°, 61%, 86%
XYZ	52.6865, 64.9641, 18.3568
YIQ	200.4240, 34.9910, -44.9530

Conversions

Conversions Part 2

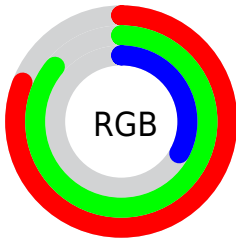
Format	Color
R _Y B	85, 220, 99
Decimal	13556821
CIE Lab	84.47, -22.31, 62.73
CIE LCh	84, 66.578, 109.578
Yxy	64.9641, 0.3874, 0.4777
Android (android.graphics.Color)	4291746901 (0xFFCEDC55)
YUV	200.4240, -56.9040, 4.8902
Hunter-Lab	80.6003, -24.3694, 42.9169

Details

The XYZ color **52.6865, 64.9641, 18.3568** 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 **21.3146, 14.3185, 69.3544**, and the grayscale version is **55.4880, 58.3776, 63.5733**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **26.0250, 33.3700, 5.9891** is the 20% darker color. If you saturate the color by 10%, you get **51.3163, 64.3457, 14.4185**, and if you desaturate by 10%, it is **54.3406, 65.7018, 23.7289**.

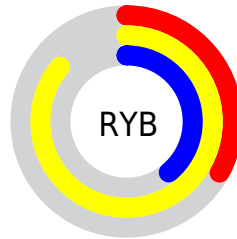
Distribution



Red (81%)

Green (86%)

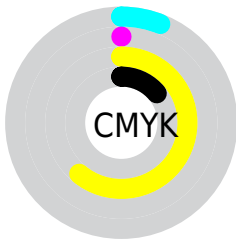
Blue (33%)



Red (33%)

Yellow (86%)

Blue (39%)

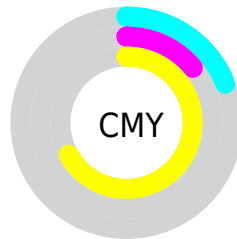


Cyan (6%)

Magenta (0%)

Yellow (61%)

Black (14%)



Cyan (19%)

Magenta (14%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6865, 64.9641, 18.3568 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 52.6865, 64.9641, 18.3568 by changing the saturation by 10% instead.

■ 52.6865, 64.9641,
18.3568

■ 52.6865, 64.9641,
18.3568

387.3618,
442.6629, 255.1778

■ 37.7790, 47.4320,
11.0344

■ 93.3111, 111.9982,
41.4665

■ 25.9877, 33.3773,
5.9755

■ 119.7590,
142.2690, 58.0908

■ 16.9471, 22.4156,
2.7616

■ 150.7844,
177.5549, 78.6529

■ 10.2918, 14.1626,
0.9743

■ 186.7527,
218.2401, 103.5712

■ 5.6566, 8.2338,
0.0000

228.0293,
264.7091, 133.2643

■ 2.6761, 4.2449,
0.0000

274.9794,

■ 0.9849, 1.8115,

317.3463, 168.1508

0.0000

327.9684,
376.5361, 208.6491

■ 0.0000, 0.4943,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.6865, 64.9641,
18.3568

■ 52.6865, 64.9641,
18.3568

■ 51.3163, 64.3457,
14.4185

■ 54.3406, 65.7018,
23.7289

■ 50.1994, 63.8273,
11.7722

■ 56.2969, 66.5592,
30.6508

■ 49.3058, 63.3993,
10.2548

■ 58.5773, 67.5472,
39.2312

■ 48.6680, 63.0841,
9.6114

■ 61.2006, 68.6735,
49.5681

■ 64.1837, 69.9448,
61.7518

■ 67.5429, 71.3676,
75.8663

■ 71.2931, 72.9478,
91.9905

■ 74.4657, 74.2982,
105.0240

■ 75.1790, 74.6659,
105.0573

Harmonies

Analogous

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



67.0432, 64.9641, 17.0197



52.6865, 64.9641, 18.3568



42.5038, 64.9641, 29.9332

Triad

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



52.6865, 64.9641, 18.3568



45.0593, 64.9641, 152.7702



94.2053, 64.9641, 86.5400

Complementary

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



52.6865, 64.9641, 18.3568



21.3146, 14.3185, 69.3544

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.



86.0645, 64.9641, 137.8990



52.6865, 64.9641, 18.3568



56.7362, 64.9641, 185.0993

Square

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



52.6865, 64.9641, 18.3568



38.6123, 64.9641, 101.7368



71.7896, 64.9641, 178.7741



92.6547, 64.9641, 46.7730

Rectangle

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



52.6865, 64.9641, 18.3568



38.7174, 64.9641, 45.9204



71.7896, 64.9641, 178.7741



92.4665, 64.9641, 103.1838

Sweetspot

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



52.6880, 64.9671, 18.3582



86.7907, 96.4964, 74.4378



35.5718, 24.7025, 11.4884



18.3255, 20.5469, 14.9176



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.



52.6880, 64.9671, 18.3582



71.1530, 89.6511, 18.7550



37.8828, 57.3347, 17.6653



14.0222, 15.1917, 13.9188



28.6168, 37.0500, 5.6431



1.8931, 2.4204, 0.3674

Inverse Universe

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



21.3146, 14.3185, 69.3544



23.8422, 13.1242, 95.8843



31.8948, 19.7728, 69.8496



12.4634, 12.6815, 16.4430



7.8309, 3.1611, 39.9358



0.5508, 0.2272, 2.5893

Previews

White Background



This preview shows how the XYZ color 52.6865, 64.9641, 18.3568 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 52.6865, 64.9641, 18.3568 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 52.6865, 64.9641, 18.3568

Background



This preview shows how black text looks on a background with the XYZ color 52.6865, 64.9641, 18.3568.

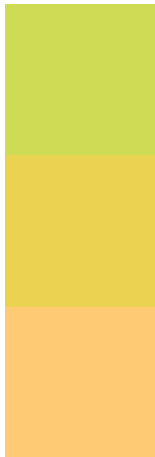


This preview shows how white text looks on a background with the XYZ color 52.6865, 64.9641,

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

52.6865, 64.9641, 18.3568

Protanopia

59.0782, 64.8599, 17.3881

Deuteranopia

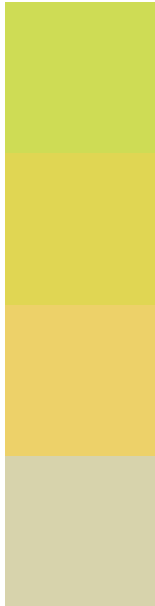
65.5129, 64.7620, 25.5704



Tritanopia

64.7713, 64.6322, 78.1687

Trichromacy



Original Color

52.6865, 64.9641, 18.3568

Protanomaly

56.3484, 64.5650, 17.6760

Deuteranomaly

60.2753, 64.6254, 22.6617

Tritanomaly

58.7650, 64.0142, 48.2884

Monochromacy



Original Color

52.6865, 64.9641, 18.3568

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.8415, 59.6508, 41.0765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6865, 64.9641, 18.3568 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(206, 220, 85)` looks like.

```
.text, #text, p{  
    color:rgb(206, 220, 85)  
}
```

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(206, 220, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 85) }
```

Border

The CSS property to change the border of an element to XYZ 52.6865, 64.9641, 18.3568 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(206, 220, 85) }
```


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

```
.border{ border-color:rgb(206, 220, 85) }
```

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

Here you see how a box with a 4 pixel rgb(206, 220, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 220, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 220, 85);  
box-shadow:4px 4px 4px 4px rgb(206, 220,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6865, 64.9641, 18.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 220, 85) }
```

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

```
.background{ background-color: rgb(206,  
220, 85) }
```

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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