

Converting Colors

XYZ(51.4734, 65.2242, 10.6879)

Have a look what the booklet for
XYZ(51.4734, 65.2242, 10.6879)
contains.

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Color

**XYZ(51.4528, 65.2835,
10.6997)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDE17
RGB	205, 222, 23
RGB Percent	80%, 87%, 9%
CMY	0.1961, 0.1294, 0.9097
CMYK	0.08, 0.00, 0.90, 0.13
HSL	65°, 81%, 48%
HSV	65°, 90%, 87%
XYZ	51.4528, 65.2835, 10.6997
YIQ	194.2310, 53.7470, -65.4930

Conversions

Conversions Part 2

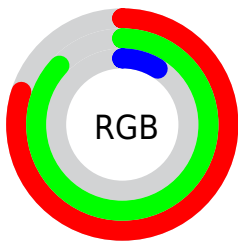
Format	Color
R_{YB}	23, 222, 40
Decimal	13491735
CIE _{Lab}	84.63, -26.25, 81.21
CIE _{LCh}	85, 85.344, 107.913
Yxy	65.2835, 0.4038, 0.5123
Android (android.graphics.Color)	4291681815 (0xFFCDDE17)
YUV	194.2310, -84.4169, 9.4444
Hunter-Lab	80.7982, -27.7269, 48.7073

Details

The XYZ color **51.4528, 65.2835, 10.6997** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **14.3682, 6.3392, 69.5774**, and the grayscale version is **51.8800, 54.5818, 59.4395**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **25.6728, 33.7484, 5.1610** is the 20% darker color. If you saturate the color by 10%, you get **50.7837, 64.9582, 9.8850**, and if you desaturate by 10%, it is **52.3039, 65.6872, 12.4267**.

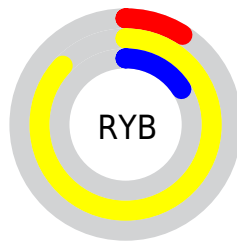
Distribution



Red (80%)

Green (87%)

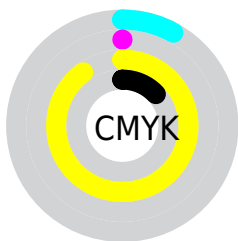
Blue (9%)



Red (9%)

Yellow (87%)

Blue (16%)

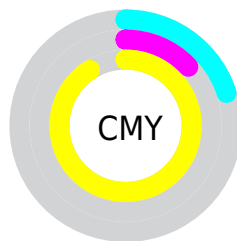


Cyan (8%)

Magenta (0%)

Yellow (90%)

Black (13%)



Cyan (20%)

Magenta (13%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4528, 65.2835, 10.6997 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 51.4528, 65.2835, 10.6997 by changing the saturation by 10% instead.

51.4528, 65.2835,
10.6997

51.4528, 65.2835,
10.6997

382.6792,
443.8100, 206.2585

36.7916, 47.6910,
5.7537

91.5027, 112.4573,
27.7316

25.2191, 33.5822,
2.6295

117.6222,
142.8075, 40.6546

16.3700, 22.5729,
0.9076

148.2918,
178.1789, 57.0736

9.8788, 14.2784,
0.0000

183.8769,
218.9561, 77.4072

5.3803, 8.3146,
0.0000

224.7428,
265.5234, 102.0740

2.5091, 4.2969,
0.0000

271.2549,

0.8999, 1.8410,

318.2653, 131.4924

0.0000

323.7786,
377.5660, 166.0811

■ 0.0000, 0.5125,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.4528, 65.2835,
10.6997

■ 51.4528, 65.2835,
10.6997

■ 50.7837, 64.9582,
9.8850

■ 52.3039, 65.6872,
12.4267

■ 50.7602, 64.9466,
9.8606

■ 53.3847, 66.1811,
15.3365

■ 54.7276, 66.7805,
19.5931

■ 56.3587, 67.4960,
25.3337

■ 58.3007, 68.3366,
32.6784

■ 60.5743, 69.3106,
41.7354

■ 63.1983, 70.4255,
52.6031

■ 66.1898, 71.6881,
65.3728

■ 69.5651, 73.1050,
80.1294

Harmonies

Analogous

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



70.0400, 65.2835, 9.9378



51.4528, 65.2835, 10.6997



38.6443, 65.2835, 21.4079

Triad

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



51.4528, 65.2835, 10.6997



40.5959, 65.2835, 180.8039



105.1971, 65.2835, 95.3881

Complementary

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



51.4528, 65.2835, 10.6997



14.3682, 6.3392, 69.5774

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.



93.3937, 65.2835, 167.1181



51.4528, 65.2835, 10.6997



54.6920, 65.2835, 230.8981

Square

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



51.4528, 65.2835, 10.6997



33.3165, 65.2835, 108.4725



74.0107, 65.2835, 224.8991



103.8332, 65.2835, 43.4549

Rectangle

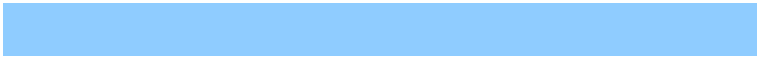
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4528, 65.2835, 10.6997



33.9230, 65.2835, 38.4855



74.0107, 65.2835, 224.8991



102.5523, 65.2835, 118.2705

Sweetspot

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



51.4543, 65.2865, 10.7011



83.7472, 95.2326, 60.5058



31.0260, 17.0830, 2.4735



17.6763, 20.2775, 11.9350



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.



51.4543, 65.2865, 10.7011



69.4320, 88.8786, 13.4958



32.2129, 55.3672, 9.8006



14.7502, 15.9669, 14.6113



30.1960, 38.5991, 5.8589



2.1275, 2.6933, 0.4077

Inverse Universe

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



14.3682, 6.3392, 69.5774



18.3763, 7.3882, 95.0653



24.1553, 11.3846, 70.0355



13.0601, 13.2990, 17.2663



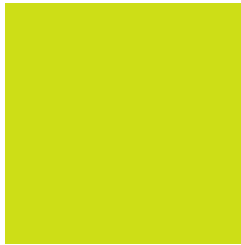
8.0291, 3.2345, 41.2495



0.5947, 0.2439, 2.8610

Previews

White Background



This preview shows how the XYZ color 51.4528, 65.2835, 10.6997 looks on a white background.

Color Contrast Check

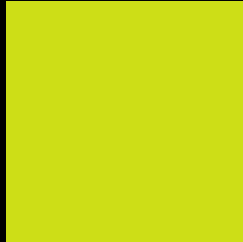
Large Text (above 18pt) WCAG AA × Fail

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 51.4528, 65.2835, 10.6997 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 51.4528, 65.2835, 10.6997

Background



This preview shows how black text looks on a background with the XYZ color 51.4528, 65.2835, 10.6997.



This preview shows how white text looks on a background with the XYZ color 51.4528, 65.2835,

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

51.4528, 65.2835, 10.6997

Protanopia

58.6717, 64.8127, 10.0339

Deuteranopia

65.1750, 64.6268, 23.7910



Tritanopia

65.2094, 64.8425, 78.8910

Trichromacy



Original Color

51.4528, 65.2835, 10.6997

Protanomaly

55.7907, 64.8201, 10.2329

Deuteranomaly

59.1007, 64.1555, 16.4760

Tritanomaly

57.0728, 63.7360, 38.1484

Monochromacy



Original Color

51.4528, 65.2835, 10.6997

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.0464, 56.8574, 30.2194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4528, 65.2835, 10.6997 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(205, 222, 23)` looks like.

```
.text, #text, p{  
    color:rgb(205, 222, 23)  
}
```

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(205, 222, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 222, 23) }
```

Border

The CSS property to change the border of an element to XYZ 51.4528, 65.2835, 10.6997 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(205, 222, 23) }
```


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

```
.border{ border-color:rgb(205, 222, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 222, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 222, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 222, 23);  
box-shadow:4px 4px 4px 4px rgb(205, 222,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4528, 65.2835, 10.6997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 222, 23) }
```

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

```
.background{ background-color: rgb(205,  
222, 23) }
```

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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