

Converting Colors

XYZ(28.8561, 52.5813, 21.7259)

Have a look what the booklet for
XYZ(28.8561, 52.5813, 21.7259)
contains.

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Color

**XYZ(28.8548, 52.5792,
21.7247)**

Conversions

Conversions Part 1

Format	Color
Hex	25DC68
RGB	37, 220, 104
RGB Percent	15%, 86%, 41%
CMY	0.8549, 0.1372, 0.5921
CMYK	0.83, 0.00, 0.53, 0.14
HSL	142°, 72%, 50%
HSV	142°, 83%, 86%
XYZ	28.8548, 52.5792, 21.7247
YIQ	152.0590, -71.8320, -74.8720

Conversions

Conversions Part 2

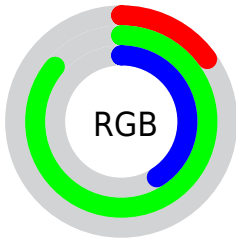
Format	Color
RYB	37, 171, 220
Decimal	2481256
CIELab	77.63, -67.52, 44.56
CIELCh	78, 80.893, 146.578
Yxy	52.5792, 0.2797, 0.5097
Android (android.graphics.Color)	4280671336 (0xFF25DC68)
YUV	152.0590, -23.6931, -100.9067
Hunter-Lab	72.5115, -55.8639, 32.9946

Details

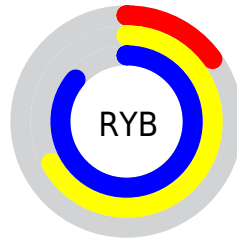
The XYZ color **28.8548, 52.5792, 21.7247** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **35.9280, 18.8395, 31.8809**, and the grayscale version is **29.9929, 31.5549, 34.3633**.

A 20% lighter version of the original color is **49.0483, 77.6673, 44.3045**, and **13.7170, 26.4423, 7.6297** is the 20% darker color. If you saturate the color by 10%, you get **27.6392, 52.0292, 18.2716**, and if you desaturate by 10%, it is **30.6650, 53.4251, 25.8194**.

Distribution



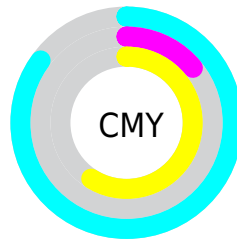
- Red (15%)
- Green (86%)
- Blue (41%)



- Red (15%)
- Yellow (67%)
- Blue (86%)



- Cyan (83%)
- Magenta (0%)
- Yellow (53%)
- Black (14%)



- Cyan (85%)
- Magenta (14%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8548, 52.5792, 21.7247 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 28.8548, 52.5792, 21.7247 by changing the saturation by 10% instead.

■ 28.8548, 52.5792,
21.7247

■ 28.8548, 52.5792,
21.7247

288.5358,
396.6686, 274.0116

■ 19.1147, 37.4670,
13.4584

■ 57.2455, 93.9849,
47.1869

■ 11.8577, 25.5692,
7.6105

■ 76.6268, 121.0471,
65.2199

■ 6.7184, 16.5017,
3.7626

■ 99.9526, 152.8614,
87.3454

■ 3.3314, 9.8798,
1.4960

■ 127.5882,
189.8123, 113.9822

■ 1.3313, 5.3194,
0.2150

■ 159.8989,
232.2840, 145.5486

■ 0.2065, 2.4358,
0.0000

197.2502,

■ 0.0000, 0.8442,

280.6610, 182.4633

0.0000

240.0074,
335.3278, 225.1448

■ 0.0000, 0.0000,
0.0000

■ 28.8548, 52.5792,
21.7247

■ 28.8548, 52.5792,
21.7247

■ 27.6392, 52.0292,
18.2716

■ 30.6650, 53.4251,
25.8194

■ 27.0626, 51.7758,
16.2635

■ 33.1454, 54.6010,
30.5840

■ 36.3639, 56.1425,
36.0489

■ 40.3786, 58.0792,
42.2416

■ 45.2413, 60.4374,
49.1881

■ 50.9996, 63.2408,
56.9130

■ 57.6972, 66.5118,
65.4398

■ 65.3751, 70.2709,
74.7909

■ 74.0716, 74.5374,
84.9880

Harmonies

Analogous

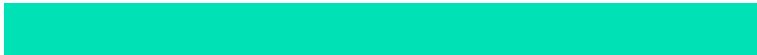
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.6992, 52.5792, 9.6206



28.8548, 52.5792, 21.7247



25.5785, 52.5792, 52.2640

Triad

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



28.8548, 52.5792, 21.7247



48.2023, 52.5792, 193.3051



81.9573, 52.5792, 26.7310

Complementary

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



28.8548, 52.5792, 21.7247



35.9280, 18.8395, 31.8809

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.



86.3762, 52.5792, 62.5430



28.8548, 52.5792, 21.7247



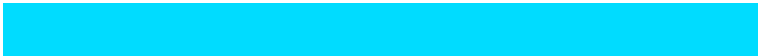
64.6624, 52.5792, 173.8715

Square

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



28.8548, 52.5792, 21.7247



35.1824, 52.5792, 163.3174



79.4877, 52.5792, 118.9451



68.4227, 52.5792, 11.2715

Rectangle

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



28.8548, 52.5792, 21.7247



26.3512, 52.5792, 85.4841



79.4877, 52.5792, 118.9451



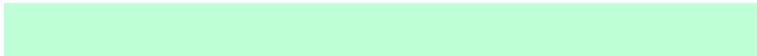
84.6657, 52.5792, 36.0374

Sweetspot

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



28.8561, 52.5813, 21.7259



69.5219, 87.5141, 77.2421



39.6294, 58.3853, 10.9312



14.2589, 18.4288, 15.7046



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.



28.8561, 52.5813, 21.7259



37.7518, 72.3167, 22.4089



35.9331, 55.4122, 58.9931



13.0826, 14.6847, 14.8979



15.9312, 30.4051, 9.8032



1.0728, 1.9860, 0.8492

Inverse Universe

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



35.9280, 18.8395, 31.8809



47.7295, 23.8558, 36.1032



31.1163, 16.9148, 6.5431



13.4016, 13.1897, 15.3760



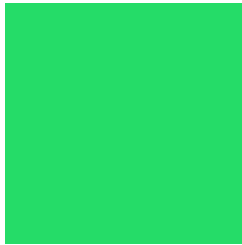
20.1320, 10.0538, 15.6069



1.3452, 0.6677, 1.2265

Previews

White Background



This preview shows how the XYZ color 28.8548, 52.5792, 21.7247 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 28.8548, 52.5792, 21.7247 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 28.8548, 52.5792, 21.7247

Background



This preview shows how black text looks on a background with the XYZ color 28.8548, 52.5792, 21.7247.



This preview shows how white text looks on a background with the XYZ color 28.8548, 52.5792,

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

28.8548, 52.5792, 21.7247

Protanopia

47.0122, 51.3367, 18.0208

Deuteranopia

52.1943, 51.0856, 23.0292



Tritanopia

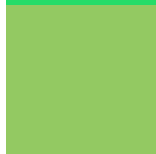
40.0818, 52.2316, 78.4902

Trichromacy



Original Color

28.8548, 52.5792, 21.7247



Protanomaly

35.1239, 48.8582, 19.1346



Deuteranomaly

36.8268, 47.6296, 22.0043



Tritanomaly

34.3802, 51.7218, 51.3513

Monochromacy



Original Color

28.8548, 52.5792, 21.7247



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.5257, 36.5085, 28.5705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8548, 52.5792, 21.7247 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(37, 220, 104)` looks like.

```
.text, #text, p{  
    color:rgb(37, 220, 104)  
}
```

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(37, 220, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 220, 104) }
```

Border

The CSS property to change the border of an element to XYZ 28.8548, 52.5792, 21.7247 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(37, 220, 104) }
```


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

```
.border{ border-color:rgb(37, 220, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 220, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 220, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 220, 104);  
box-shadow:4px 4px 4px 4px rgb(37, 220,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8548, 52.5792, 21.7247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 220, 104) }
```

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

```
.background{ background-color: rgb(37, 220,  
104) }
```

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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