

Converting Colors

XYZ(28.4558, 52.2914, 13.0656)

Have a look what the booklet for
XYZ(28.4558, 52.2914, 13.0656)
contains.

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Color

**XYZ(28.3538, 52.1238,
12.9814)**

Conversions

Conversions Part 1

Format	Color
Hex	41DB3D
RGB	65, 219, 61
RGB Percent	25%, 86%, 24%
CMY	0.7451, 0.1412, 0.7608
CMYK	0.70, 0.00, 0.72, 0.14
HSL	118°, 69%, 55%
HSV	118°, 72%, 86%
XYZ	28.3538, 52.1238, 12.9814
YIQ	154.9420, -41.0660, -81.7860

Conversions

Conversions Part 2

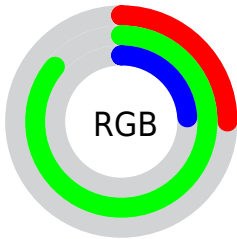
Format	Color
RYB	61, 219, 215
Decimal	4315965
CIELab	77.35, -68.30, 62.52
CIELCh	77, 92.597, 137.531
Yxy	52.1238, 0.3034, 0.5577
Android (android.graphics.Color)	4282506045 (0xFF41DB3D)
YUV	154.9420, -46.3134, -78.8791
Hunter-Lab	72.1968, -56.2423, 39.8771

Details

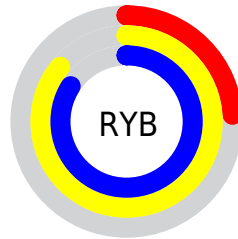
The XYZ color **28.3538, 52.1238, 12.9814** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **42.4830, 22.9014, 69.2020**, and the grayscale version is **31.3428, 32.9751, 35.9099**.

A 20% lighter version of the original color is **48.6438, 77.7909, 29.2810**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **26.7244, 51.3402, 10.4298**, and if you desaturate by 10%, it is **30.7601, 53.2832, 16.8281**.

Distribution



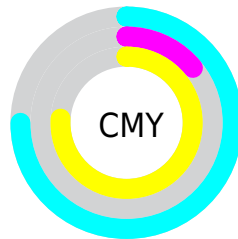
- Red (25%)
- Green (86%)
- Blue (24%)



- Red (24%)
- Yellow (86%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (72%)
- Black (14%)



- Cyan (75%)
- Magenta (14%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3538, 52.1238, 12.9814 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 28.3538, 52.1238, 12.9814 by changing the saturation by 10% instead.

■ 28.3538, 52.1238,
12.9814

■ 28.3538, 52.1238,
12.9814

286.2032,
394.9144, 222.0021

■ 18.7343, 37.1038,
7.2852

■ 56.4535, 93.3138,
31.9611

■ 11.5813, 25.2878,
3.5599

■ 75.6645, 120.2525,
46.0816

■ 6.5294, 16.2916,
1.3872

■ 98.8033, 151.9330,
63.8472

■ 3.2133, 9.7308,
0.1317

■ 126.2354,
188.7395, 85.6766

■ 1.2675, 5.2208,
0.0000

■ 158.3261,
231.0565, 111.9883

■ 0.1587, 2.3774,
0.0000

195.4407,

■ 0.0000, 0.8142,

279.2684, 143.2007

0.0000

237.9446,
333.7595, 179.7324

■ 0.0000, 0.0000,
0.0000

■ 28.3538, 52.1238,
12.9814

■ 28.3538, 52.1238,
12.9814

■ 26.7244, 51.3402,
10.4298

■ 30.7601, 53.2832,
16.8281

■ 25.7730, 50.8804,
9.0013


■ 34.0196, 54.8501,
22.1067


■ 25.4019, 50.7009,
8.4474


■ 38.2037, 56.8601,
28.9403


■ 43.3752, 59.3434,
37.4381

■ 49.5914, 62.3273,
47.6993

 56.9052, 65.8371,
59.8153

 65.3662, 69.8965,
73.8715

 75.0205, 74.5277,
89.9476

 84.6226, 79.1452,
105.4242

Harmonies

Analogous

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



39.9377, 52.1238, 5.2210



28.3538, 52.1238, 12.9814



23.0888, 52.1238, 38.1230

Triad

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



28.3538, 52.1238, 12.9814



42.5182, 52.1238, 216.1766



89.8349, 52.1238, 32.0671

Complementary

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



28.3538, 52.1238, 12.9814



42.4830, 22.9014, 69.2020

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.



91.0023, 52.1238, 80.6391



28.3538, 52.1238, 12.9814



60.5747, 52.1238, 210.7623

Square

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



28.3538, 52.1238, 12.9814



29.8516, 52.1238, 164.0040



79.2951, 52.1238, 151.9056



76.4087, 52.1238, 10.8256

Rectangle

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



28.3538, 52.1238, 12.9814



22.7825, 52.1238, 70.5832



79.2951, 52.1238, 151.9056



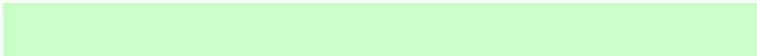
91.7721, 52.1238, 44.8605

Sweetspot

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



28.3550, 52.1260, 12.9826



69.9617, 87.9621, 67.2630



54.0373, 63.3580, 13.7970



14.4291, 18.5657, 13.4952



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.



28.3550, 52.1260, 12.9826



36.8642, 72.0573, 13.4154



31.6122, 53.3994, 31.4662



12.9168, 14.6218, 13.8671



15.0753, 30.0691, 5.0094



0.9876, 1.9537, 0.3250

Inverse Universe

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



42.4830, 22.9014, 69.2020



57.8047, 28.5278, 97.0675



36.0155, 20.4515, 28.9473



13.5801, 13.2572, 16.4953



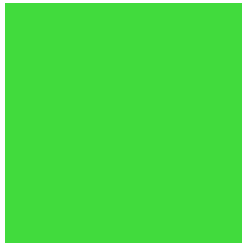
23.9473, 11.4695, 40.6901



1.5619, 0.7485, 2.6366

Previews

White Background



This preview shows how the XYZ color 28.3538, 52.1238, 12.9814 looks on a white background.

Color Contrast Check

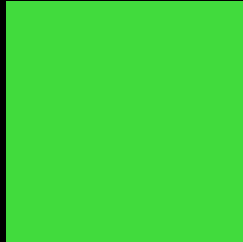
Large Text (above 18pt) WCAG AA × Fail

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 28.3538, 52.1238, 12.9814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

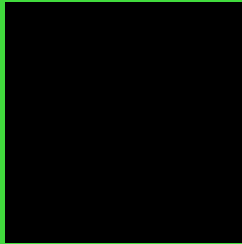
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3538, 52.1238, 12.9814

Background



This preview shows how black text looks on a background with the XYZ color 28.3538, 52.1238, 12.9814.

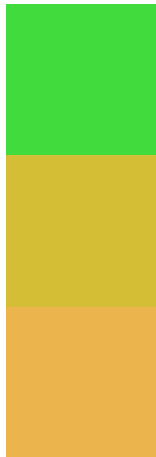


This preview shows how white text looks on a background with the XYZ color 28.3538, 52.1238,

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

28.3538, 52.1238, 12.9814

Protanopia

46.2074, 51.0810, 10.7924

Deuteranopia

52.2178, 50.9972, 13.9287



Tritanopia

40.8284, 51.5943, 76.2134

Trichromacy



Original Color

28.3538, 52.1238, 12.9814



Protanomaly

35.8985, 49.4297, 11.3902



Deuteranomaly

37.8847, 48.0372, 13.2366



Tritanomaly

33.8250, 50.5206, 42.6190

Monochromacy



Original Color

28.3538, 52.1238, 12.9814



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.3976, 37.3588, 23.8561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3538, 52.1238, 12.9814 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(65, 219, 61)` looks like.

```
.text, #text, p{  
    color:rgb(65, 219, 61)  
}
```

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(65, 219, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 219, 61) }
```

Border

The CSS property to change the border of an element to XYZ 28.3538, 52.1238, 12.9814 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(65, 219, 61) }
```


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

```
.border{ border-color:rgb(65, 219, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 219, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 219, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 219, 61);  
box-shadow:4px 4px 4px 4px rgb(65, 219,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3538, 52.1238, 12.9814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 219, 61) }
```

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

```
.background{ background-color: rgb(65, 219,  
61) }
```

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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