

# Converting Colors

XYZ(28.6512, 52.2562, 14.2803)

Have a look what the booklet for  
XYZ(28.6512, 52.2562, 14.2803)  
contains.

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# Color

**XYZ(28.6525, 52.2510,  
14.2055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42DB45
RGB	66, 219, 69
RGB Percent	26%, 86%, 27%
CMY	0.7412, 0.1412, 0.7294
CMYK	0.70, 0.00, 0.68, 0.14
HSL	121°, 68%, 56%
HSV	121°, 70%, 86%
XYZ	28.6525, 52.2510, 14.2055
YIQ	156.1530, -43.0380, -79.0860

# Conversions

## Conversions Part 2

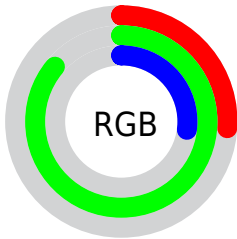
Format	Color
<a href="#">RYB</a>	66, 216, 219
Decimal	4381509
CIELab	77.43, -67.46, 59.65
CIELCh	77, 90.051, 138.516
Yxy	52.2510, 0.3013, 0.5494
Android (android.graphics.Color)	4282571589 (0xFF42DB45)
YUV	156.1530, -42.9664, -79.0642
Hunter-Lab	72.2849, -55.7441, 38.9477

# Details

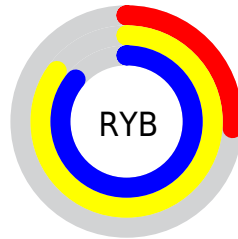
The XYZ color **28.6525, 52.2510, 14.2055** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **43.5576, 23.9151, 67.2863**, and the grayscale version is **31.8693, 33.5289, 36.5130**.

A 20% lighter version of the original color is **49.2296, 78.0436, 31.5380**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **26.8996, 51.4124, 11.2520**, and if you desaturate by 10%, it is **31.2135, 53.4814, 18.4571**.

# Distribution



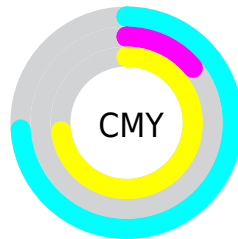
- Red (26%)
- Green (86%)
- Blue (27%)



- Red (26%)
- Yellow (85%)
- Blue (86%)



- Cyan (70%)
- Magenta (0%)
- Yellow (68%)
- Black (14%)



- Cyan (74%)
- Magenta (14%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6525, 52.2510, 14.2055 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 28.6525, 52.2510, 14.2055 by changing the saturation by 10% instead.



■ 28.6525, 52.2510,  
14.2055

■ 28.6525, 52.2510,  
14.2055

287.5957,  
395.4048, 229.9782

■ 18.9611, 37.2052,  
8.1234

■ 56.9259, 93.5013,  
34.1756

■ 11.7460, 25.3664,  
4.0851

■ 76.2386, 120.4746,  
48.9006

■ 6.6419, 16.3502,  
1.6721

■ 99.4891, 152.1925,  
67.3436

■ 3.2835, 9.7723,  
0.3415

■ 127.0427,  
189.0394, 89.9232

■ 1.3054, 5.2483,  
0.0000

■ 159.2648,  
231.3996, 117.0580

■ 0.1873, 2.3937,  
0.0000

196.5207,

■ 0.0000, 0.8226,

279.6577, 149.1664

0.0000

239.1759,  
334.1980, 186.6669

■ 0.0000, 0.0000,  
0.0000

■ 28.6525, 52.2510,  
14.2055

■ 28.6525, 52.2510,  
14.2055

■ 26.8996, 51.4124,  
11.2520

■ 31.2135, 53.4814,  
18.4571

■ 25.8551, 50.9129,  
9.4455

■ 34.6600, 55.1361,  
24.1290

■ 25.3615, 50.6772,  
8.5769


■ 39.0643, 57.2517,  
31.3331


■ 25.3561, 50.6746,  
8.5682


■ 44.4904, 59.8590,  
40.1695

■ 50.9968, 62.9862,  
50.7295

 58.6375, 66.6593,  
63.0978

 67.4630, 70.9026,  
77.3536

 77.5206, 75.7389,  
93.5711

 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.



39.8165, 52.2510, 5.9036



28.6525, 52.2510, 14.2055



23.6464, 52.2510, 39.9326

# Triad

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



28.6525, 52.2510, 14.2055



43.3212, 52.2510, 210.9719



88.4253, 52.2510, 31.6529

# Complementary

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



28.6525, 52.2510, 14.2055



43.5576, 23.9151, 67.2863

# 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.



89.9881, 52.2510, 78.0806



28.6525, 52.2510, 14.2055



61.0121, 52.2510, 203.7977

# Square

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



28.6525, 52.2510, 14.2055



30.7021, 52.2510, 162.4824



79.0351, 52.2510, 146.3866



75.1614, 52.2510, 11.1702



# Rectangle

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



28.6525, 52.2510, 14.2055



23.4642, 52.2510, 72.2241



79.0351, 52.2510, 146.3866



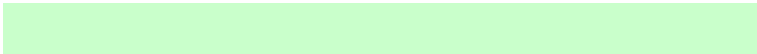
90.4341, 52.2510, 43.9003

# Sweetspot

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



28.6537, 52.2532, 14.2067



70.6887, 88.2880, 69.5044



54.7692, 65.7267, 14.9543



14.5615, 18.6239, 13.9543



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.



28.6537, 52.2532, 14.2067



37.1402, 72.1768, 14.4572



32.6943, 53.8694, 35.4840



12.8968, 14.6104, 13.9197



15.0390, 30.0482, 5.1050



0.9780, 1.9482, 0.3504



# Inverse Universe

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



43.5576, 23.9151, 67.2863



59.4063, 29.7842, 93.7151



35.8930, 20.8493, 26.9251



13.6028, 13.2702, 16.4355



24.5775, 11.8320, 39.0165

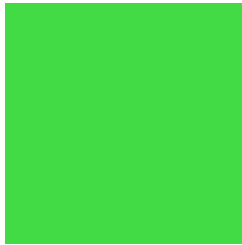


1.5958, 0.7680, 2.5466



# Previews

## White Background



This preview shows how the XYZ color 28.6525, 52.2510, 14.2055 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 28.6525, 52.2510, 14.2055 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

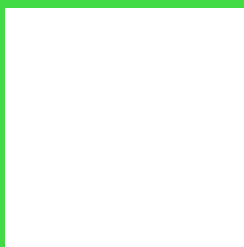
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.6525, 52.2510, 14.2055**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.6525, 52.2510, 14.2055.



This preview shows how white text looks on a background with the XYZ color 28.6525, 52.2510,



# 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

28.6525, 52.2510, 14.2055

### Protanopia

46.4071, 51.1609, 11.8440

### Deuteranopia

52.1052, 50.9139, 15.0638



## Tritanopia

41.0668, 52.0712, 76.2929

# Trichromacy



## Original Color

28.6525, 52.2510, 14.2055



## Protanomaly

36.1101, 49.5144, 12.5045



## Deuteranomaly

38.0869, 48.1181, 14.3015



## Tritanomaly

34.4437, 51.1735, 44.1385

# Monochromacy



## Original Color

28.6525, 52.2510, 14.2055



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

27.9266, 37.9064, 24.9136

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.6525, 52.2510, 14.2055 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(66, 219, 69)` looks like.

```
.text, #text, p{  
    color:rgb(66, 219, 69)  
}
```

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(66, 219, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 219, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 28.6525, 52.2510, 14.2055 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(66, 219, 69) }
```



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

```
.border{ border-color:rgb(66, 219, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 219, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 219, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 219, 69);  
box-shadow:4px 4px 4px 4px rgb(66, 219,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.6525, 52.2510, 14.2055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 219, 69) }
```

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

```
.background{ background-color: rgb(66, 219,  
69) }
```

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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