

Converting Colors

XYZ(28.9532, 53.7025, 13.4602)

Have a look what the booklet for
XYZ(28.9532, 53.7025, 13.4602)
contains.

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Color

**XYZ(28.8543, 53.5510,
13.3730)**

Conversions

Conversions Part 1

Format	Color
Hex	3CDE3E
RGB	60, 222, 62
RGB Percent	24%, 87%, 24%
CMY	0.7647, 0.1294, 0.7568
CMYK	0.73, 0.00, 0.72, 0.13
HSL	121°, 71%, 55%
HSV	121°, 73%, 87%
XYZ	28.8543, 53.5510, 13.3730
YIQ	155.3220, -45.1920, -84.1040

Conversions

Conversions Part 2

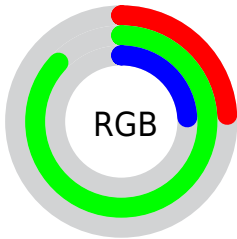
Format	Color
RYB	60, 220, 222
Decimal	3989054
CIELab	78.20, -69.99, 63.00
CIELCh	78, 94.165, 138.009
Yxy	53.5510, 0.3013, 0.5591
Android (android.graphics.Color)	4282179134 (0xFF3CDE3E)
YUV	155.3220, -46.0077, -83.5974
Hunter-Lab	73.1785, -57.6799, 40.3900

Details

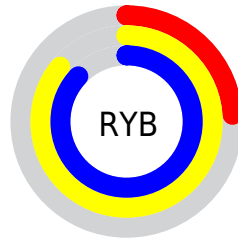
The XYZ color **28.8543, 53.5510, 13.3730** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark muted green. A complement of this color would be **44.6596, 23.9294, 69.9752**, and the grayscale version is **31.5119, 33.1530, 36.1036**.

A 20% lighter version of the original color is **48.3901, 77.6533, 29.5777**, and **13.4551, 26.9103, 4.4850** is the 20% darker color. If you saturate the color by 10%, you get **27.2987, 52.8067, 10.7685**, and if you desaturate by 10%, it is **31.2172, 54.6866, 17.2837**.

Distribution



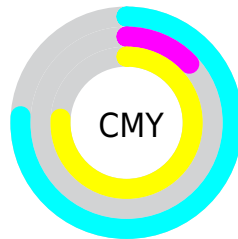
- Red (24%)
- Green (87%)
- Blue (24%)



- Red (24%)
- Yellow (86%)
- Blue (87%)



- Cyan (73%)
- Magenta (0%)
- Yellow (72%)
- Black (13%)




- Cyan (76%)
- Magenta (13%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8543, 53.5510, 13.3730 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 28.8543, 53.5510, 13.3730 by changing the saturation by 10% instead.


 28.8543, 53.5510,
13.3730


 28.8543, 53.5510,
13.3730


288.5335,
400.3955, 224.5857


 19.1144, 38.2428,
7.5522


 57.2447, 95.4147,
32.6732

 11.8574, 26.1712,
3.7261


 76.6258, 122.7389,
46.9897

 6.7182, 16.9518,
1.4763


 99.9514, 154.8374,
64.9752

 3.3312, 10.2001,
0.2002

 127.5868,
192.0943, 87.0481

 1.3313, 5.5318,
0.0000

 159.8974,
234.8942, 113.6271

 0.2064, 2.5626,
0.0000

197.2484,

 0.0000, 0.9079,

283.6215, 145.1306

0.0000

240.0054,
338.6604, 181.9773

■ 0.0000, 0.0000,
0.0000

■ 28.8543, 53.5510,
13.3730

■ 28.8543, 53.5510,
13.3730

■ 27.2987, 52.8067,
10.7685

■ 31.2172, 54.6866,
17.2837

■ 26.4397, 52.3955,
9.2987


■ 34.4722, 56.2495,
22.6371


■ 26.1374, 52.2507,
8.7867


■ 38.6977, 58.2791,
29.5567

■ 43.9625, 60.8084,
38.1515

■ 50.3290, 63.8675,
48.5210

 57.8550, 67.4843,
60.7569

 66.5939, 71.6844,
74.9446

 76.5960, 76.4920,
91.1640

 85.4123, 80.7247,
105.6874

Harmonies

Analogous

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



40.7163, 53.5510, 5.2645



28.8543, 53.5510, 13.3730



23.5227, 53.5510, 39.6741

Triad

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



28.8543, 53.5510, 13.3730



43.8904, 53.5510, 224.4144



92.5500, 53.5510, 32.2368

Complementary

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



28.8543, 53.5510, 13.3730



44.6596, 23.9294, 69.9752

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.



93.9911, 53.5510, 82.0176



28.8543, 53.5510, 13.3730



62.6511, 53.5510, 217.7133

Square

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



28.8543, 53.5510, 13.3730



30.6930, 53.5510, 170.8379



82.0168, 53.5510, 155.8788



78.4558, 53.5510, 10.7454

Rectangle

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



28.8543, 53.5510, 13.3730



23.2683, 53.5510, 73.6116



82.0168, 53.5510, 155.8788



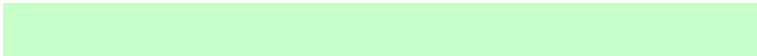
94.6355, 53.5510, 45.2875

Sweetspot

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



28.8556, 53.5532, 13.3742



69.6646, 87.7996, 67.6704



57.0634, 68.1011, 14.4125



14.3608, 18.5283, 13.5888



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.



28.8556, 53.5532, 13.3742



36.5929, 71.9171, 13.4193



32.7938, 55.1285, 34.1129



13.5356, 15.3400, 14.5900



15.5275, 31.0358, 5.2346



1.0787, 2.1522, 0.3758

Inverse Universe

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



44.6596, 23.9294, 69.9752



59.3259, 29.2617, 94.8031



36.5493, 20.6853, 27.2667



14.2873, 13.9326, 17.2833



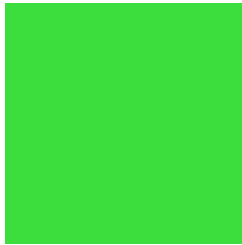
25.5111, 12.2714, 40.9528



1.7707, 0.8515, 2.8512

Previews

White Background



This preview shows how the XYZ color 28.8543, 53.5510, 13.3730 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 28.8543, 53.5510, 13.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

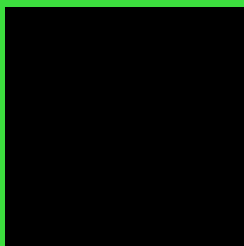
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8543, 53.5510, 13.3730

Background



This preview shows how black text looks on a background with the XYZ color 28.8543, 53.5510, 13.3730.



This preview shows how white text looks on a background with the XYZ color 28.8543, 53.5510,

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

28.8543, 53.5510, 13.3730

Protanopia

47.5398, 52.4127, 11.1011

Deuteranopia

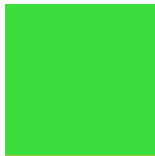
53.3274, 52.1689, 14.2801



Tritanopia

41.7112, 53.0716, 78.5664

Trichromacy



Original Color

28.8543, 53.5510, 13.3730



Protanomaly

36.3925, 50.3782, 11.6768



Deuteranomaly

38.3695, 49.2846, 13.6215



Tritanomaly

34.4548, 51.9274, 43.8043

Monochromacy



Original Color

28.8543, 53.5510, 13.3730



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.3170, 37.6137, 23.9096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8543, 53.5510, 13.3730 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(60, 222, 62)` looks like.

```
.text, #text, p{  
    color:rgb(60, 222, 62)  
}
```

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(60, 222, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 222, 62) }
```

Border

The CSS property to change the border of an element to XYZ 28.8543, 53.5510, 13.3730 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(60, 222, 62) }
```


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

```
.border{ border-color:rgb(60, 222, 62) }
```

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

Here you see how a box with a 4 pixel rgb(60, 222, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 222, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 222, 62);  
box-shadow:4px 4px 4px 4px rgb(60, 222,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8543, 53.5510, 13.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 222, 62) }
```

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

```
.background{ background-color: rgb(60, 222,  
62) }
```

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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