

Converting Colors

XYZ(28.0972, 50.1036, 13.9030)

Have a look what the booklet for
XYZ(28.0972, 50.1036, 13.9030)
contains.

XYZ(28.0537, 50.0312, 13.9728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.0537, 50.0312,
13.9728)**

Conversions

Conversions Part 1

Format	Color
Hex	4BD646
RGB	75, 214, 70
RGB Percent	29%, 84%, 27%
CMY	0.7059, 0.1608, 0.7255
CMYK	0.65, 0.00, 0.67, 0.16
HSL	118°, 64%, 56%
HSV	118°, 67%, 84%
XYZ	28.0537, 50.0312, 13.9728
YIQ	156.0230, -36.6200, -74.2520

Conversions

Conversions Part 2

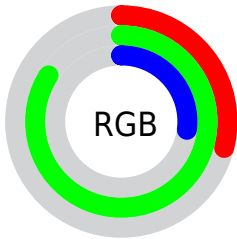
Format	Color
RYB	70, 214, 209
Decimal	4970054
CIELab	76.09, -64.03, 57.89
CIELCh	76, 86.320, 137.880
Yxy	50.0312, 0.3047, 0.5435
Android (android.graphics.Color)	4283160134 (0xFF4BD646)
YUV	156.0230, -42.4093, -71.0572
Hunter-Lab	70.7327, -52.9864, 37.8006

Details

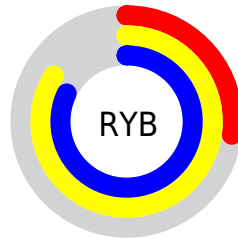
The XYZ color **28.0537, 50.0312, 13.9728** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **40.6256, 22.7928, 65.8793**, and the grayscale version is **31.8064, 33.4628, 36.4410**.

A 20% lighter version of the original color is **50.1091, 78.4896, 31.9110**, and **12.2269, 24.4537, 4.0756** is the 20% darker color. If you saturate the color by 10%, you get **26.1334, 49.1074, 10.9635**, and if you desaturate by 10%, it is **30.7414, 51.3258, 18.2761**.

Distribution



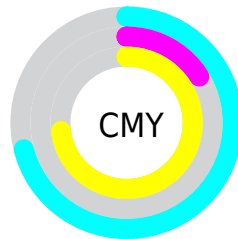
- Red (29%)
- Green (84%)
- Blue (27%)



- Red (27%)
- Yellow (84%)
- Blue (82%)



- Cyan (65%)
- Magenta (0%)
- Yellow (67%)
- Black (16%)





- Cyan (71%)
- Magenta (16%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0537, 50.0312, 13.9728 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 28.0537, 50.0312, 13.9728 by changing the saturation by 10% instead.


 28.0537, 50.0312,
13.9728


 28.0537, 50.0312,
13.9728


284.7989,
386.7879, 228.4841


 18.5068, 35.4382,
7.9632


 55.9782, 90.2211,
33.7572


 11.4163, 24.0006,
3.9840


 75.0865, 116.5868,
48.3691


 6.4170, 15.3341,
1.6166


 98.1127, 147.6455,
66.6855

 3.1433, 9.0542,
0.3026

 125.4221,
183.7816, 89.1249

 1.2300, 4.7765,
0.0000

 157.3801,
225.3795, 116.1060

 0.1298, 2.1168,
0.0000

194.3519,

 0.0000, 0.6740,

272.8236, 148.0472

0.0000

236.7031,
326.4983, 185.3670

■ 0.0000, 0.0000,
0.0000

■ 28.0537, 50.0312,
13.9728

■ 28.0537, 50.0312,
13.9728

■ 26.1334, 49.1074,
10.9635

■ 30.7414, 51.3258,
18.2761

■ 24.8971, 48.5100,
9.1005

■ 34.2619, 53.0178,
23.9932


■ 24.2457, 48.1937,
8.1911


■ 38.6774, 55.1384,
31.2340


■ 24.1405, 48.1431,
8.0202


■ 44.0434, 57.7140,
40.0967

■ 50.4109, 60.7691,
50.6713

 57.8272, 64.3263,
63.0412

 66.3366, 68.4066,
77.2842

 75.9810, 73.0301,
93.4738

 83.3376, 76.5752,
104.9959

Harmonies

Analogous

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



38.6497, 50.0312, 6.1226



28.0537, 50.0312, 13.9728



23.2130, 50.0312, 37.8694

Triad

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



28.0537, 50.0312, 13.9728



41.3325, 50.0312, 195.7024



83.6108, 50.0312, 31.4961

Complementary

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



28.0537, 50.0312, 13.9728



40.6256, 22.7928, 65.8793

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.



84.7919, 50.0312, 75.3402



28.0537, 50.0312, 13.9728



57.7286, 50.0312, 190.3312

Square

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



28.0537, 50.0312, 13.9728



29.6333, 50.0312, 150.5289



74.4765, 50.0312, 138.4346



71.5425, 50.0312, 11.5757

Rectangle

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



28.0537, 50.0312, 13.9728



22.9668, 50.0312, 67.5878



74.4765, 50.0312, 138.4346



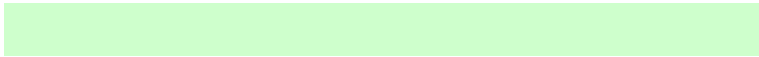
85.3792, 50.0312, 43.1792

Sweetspot

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



28.0549, 50.0333, 13.9739



72.0486, 88.9684, 70.5020



51.1038, 59.2698, 14.5419



14.8400, 18.7640, 14.1245



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.



28.0549, 50.0333, 13.9739



37.9123, 72.5668, 14.8539



30.9332, 51.1412, 31.0905



12.3018, 13.9163, 13.1984



14.6088, 29.1074, 4.8483



0.8955, 1.7630, 0.2931

Inverse Universe

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



40.6256, 22.7928, 65.8793



57.7784, 29.2972, 97.2174



35.3644, 20.8542, 30.6808



12.9085, 12.6097, 15.6911



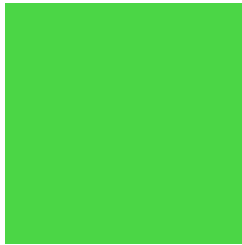
22.8375, 10.9257, 39.3584



1.3911, 0.6660, 2.3745

Previews

White Background



This preview shows how the XYZ color 28.0537, 50.0312, 13.9728 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 28.0537, 50.0312, 13.9728 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 28.0537, 50.0312, 13.9728

Background



This preview shows how black text looks on a background with the XYZ color 28.0537, 50.0312, 13.9728.

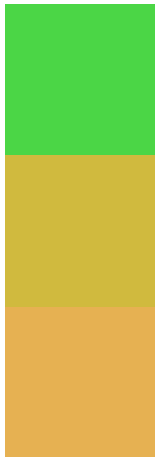


This preview shows how white text looks on a background with the XYZ color 28.0537, 50.0312,

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

28.0537, 50.0312, 13.9728

Protanopia

44.4408, 48.8755, 11.6491

Deuteranopia

49.8783, 48.8765, 14.7879



Tritanopia

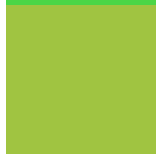
39.6045, 49.6459, 72.4610

Trichromacy



Original Color

28.0537, 50.0312, 13.9728



Protanomaly

35.1913, 47.3351, 12.2828



Deuteranomaly

37.2442, 46.3756, 14.1961



Tritanomaly

33.4792, 48.9037, 42.3251

Monochromacy



Original Color

28.0537, 50.0312, 13.9728



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.1762, 37.4370, 25.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0537, 50.0312, 13.9728 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(75, 214, 70)` looks like.

```
.text, #text, p{  
    color:rgb(75, 214, 70)  
}
```

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(75, 214, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 214, 70) }
```

Border

The CSS property to change the border of an element to XYZ 28.0537, 50.0312, 13.9728 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(75, 214, 70) }
```


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

```
.border{ border-color:rgb(75, 214, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 214, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 214, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 214, 70);  
box-shadow:4px 4px 4px 4px rgb(75, 214,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0537, 50.0312, 13.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 214, 70) }
```

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

```
.background{ background-color: rgb(75, 214,  
70) }
```

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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