

Converting Colors

XYZ(28.2672, 49.8624, 29.9913)

Have a look what the booklet for
XYZ(28.2672, 49.8624, 29.9913)
contains.

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Color

**XYZ(28.2114, 49.7591,
29.9474)**

Conversions

Conversions Part 1

Format	Color
Hex	00D684
RGB	0, 214, 132
RGB Percent	0%, 84%, 52%
CMY	0.9999, 0.1608, 0.4823
CMYK	1.00, 0.00, 0.38, 0.16
HSL	157°, 100%, 42%
HSV	157°, 100%, 84%
XYZ	28.2114, 49.7591, 29.9474
YIQ	140.6660, -101.2220, -70.8700

Conversions

Conversions Part 2

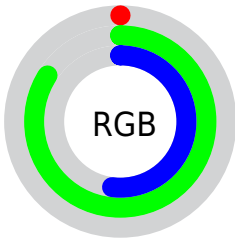
Format	Color
RYB	0, 132, 214
Decimal	54916
CIELab	75.92, -62.68, 28.42
CIElCh	76, 68.825, 155.612
Yxy	49.7591, 0.2614, 0.4611
Android (android.graphics.Color)	4278244996 (0xFF00D684)
YUV	140.6660, -4.2723, -123.3641
Hunter-Lab	70.5401, -52.0570, 24.2069

Details

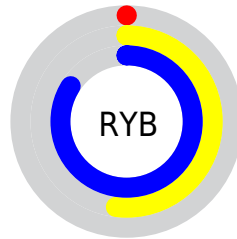
The XYZ color **28.2114, 49.7591, 29.9474** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **29.2563, 14.9064, 9.3208**, and the grayscale version is **25.2335, 26.5476, 28.9103**.

A 20% lighter version of the original color is **50.3318, 78.0082, 58.8587**, and **13.7499, 25.0629, 12.0956** is the 20% darker color. If you saturate the color by 10%, you get **28.2122, 49.7609, 29.9467**, and if you desaturate by 10%, it is **29.1142, 50.1584, 33.0366**.

Distribution



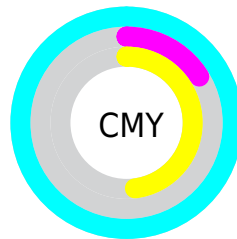
- Red (0%)
- Green (84%)
- Blue (52%)



- Red (0%)
- Yellow (52%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2114, 49.7591, 29.9474 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 28.2114, 49.7591, 29.9474 by changing the saturation by 10% instead.

 28.2114, 49.7591,
29.9474


 28.2114, 49.7591,
29.9474


285.5375,
385.7231, 315.8589


 18.6263, 35.2220,
19.5470


 56.2281, 89.8178,
60.6390

 11.5030, 23.8340,
11.8854

 75.3904, 116.1083,
81.7672


 6.4760, 15.2105,
6.5441


 98.4758, 147.0853,
107.3085

 3.1800, 8.9672,
3.1046

 125.8498,
183.1334, 137.6813

 1.2497, 4.7198,
1.1483

 157.8775,
224.6368, 173.3042

 0.1450, 2.0838,
0.0000

194.9245,

 0.0000, 0.6555,

271.9799, 214.5957

0.0000

237.3560,
325.5472, 261.9744

■ 0.0000, 0.0000,
0.0000

■ 28.2114, 49.7591,
29.9474

■ 28.2114, 49.7591,
29.9474

■ 28.2122, 49.7609,
29.9467

■ 29.1142, 50.1584,
33.0366

■ 30.4133, 50.7555,
36.3786

■ 32.2279, 51.6130,
39.9852

■ 34.6236, 52.7647,
43.8640

■ 37.6561, 54.2391,
48.0225

■ 41.3739, 56.0611,
52.4673

■ 45.8208, 58.2534,
57.2050

■ 51.0370, 60.8363,
62.2417

■ 57.0594, 63.8290,
67.5832

Harmonies

Analogous

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



34.3458, 49.7591, 14.6703



28.2114, 49.7591, 29.9474



26.7623, 49.7591, 61.3791

Triad

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



28.2114, 49.7591, 29.9474



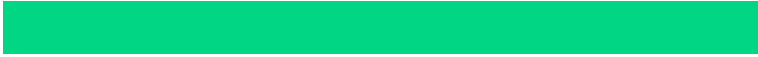
49.7459, 49.7591, 159.1601



70.2944, 49.7591, 22.5952

Complementary

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



28.2114, 49.7591, 29.9474



29.2563, 14.9064, 9.3208

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.



76.3075, 49.7591, 47.5656



28.2114, 49.7591, 29.9474



63.1465, 49.7591, 134.2077

Square

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



28.2114, 49.7591, 29.9474



37.8302, 49.7591, 147.2454



73.4803, 49.7591, 88.8636



58.2188, 49.7591, 11.9667

Rectangle

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



28.2114, 49.7591, 29.9474



28.3694, 49.7591, 90.7777



73.4803, 49.7591, 88.8636



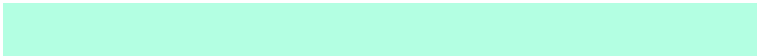
73.1823, 49.7591, 29.0364

Sweetspot

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



28.2127, 49.7611, 29.9486



67.9193, 86.5180, 84.8451



27.5310, 49.8908, 8.1792



13.9087, 18.2080, 17.5079



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.



28.2127, 49.7611, 29.9486



41.8701, 73.9640, 44.0952



30.3440, 41.2669, 69.9868



12.5811, 14.0235, 14.8746



17.1040, 30.0969, 18.3751



1.0715, 1.8312, 1.3181

Inverse Universe

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



29.2563, 14.9064, 9.3208



43.4312, 22.1365, 13.4688



28.0799, 14.9911, 1.4140



12.6182, 12.4988, 13.9298



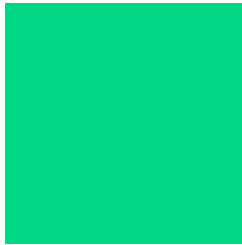
17.7297, 9.0282, 5.8808



1.1092, 0.5605, 0.5642

Previews

White Background



This preview shows how the XYZ color 28.2114, 49.7591, 29.9474 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 28.2114, 49.7591, 29.9474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

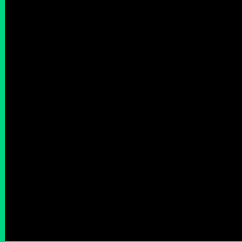
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2114, 49.7591, 29.9474

Background



This preview shows how black text looks on a background with the XYZ color 28.2114, 49.7591, 29.9474.

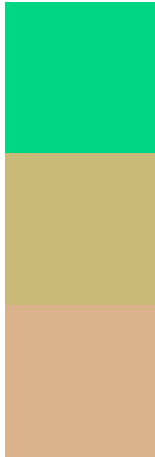


This preview shows how white text looks on a background with the XYZ color 28.2114, 49.7591,

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

28.2114, 49.7591, 29.9474

Protanopia

45.3062, 49.0304, 24.8452

Deuteranopia

49.5675, 48.6397, 31.5868



Tritanopia

37.3348, 49.4570, 75.2885

Trichromacy



Original Color

28.2114, 49.7591, 29.9474



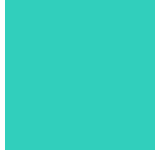
Protanomaly

32.4313, 45.6022, 26.1616



Deuteranomaly

33.7936, 44.5567, 30.4861



Tritanomaly

32.6565, 48.9095, 55.2962

Monochromacy



Original Color

28.2114, 49.7591, 29.9474



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.8065, 32.0139, 29.0220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2114, 49.7591, 29.9474 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(0, 214, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 132)  
}
```

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(0, 214, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 132) }
```

Border

The CSS property to change the border of an element to XYZ 28.2114, 49.7591, 29.9474 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(0, 214, 132) }
```


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

```
.border{ border-color:rgb(0, 214, 132) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2114, 49.7591, 29.9474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 132) }
```

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

```
.background{ background-color: rgb(0, 214,  
132) }
```

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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