

Converting Colors

XYZ(29.3313, 53.7080, 24.0611)

Have a look what the booklet for
XYZ(29.3313, 53.7080, 24.0611)
contains.

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Color

**XYZ(29.2429, 53.5140,
24.1172)**

Conversions

Conversions Part 1

Format	Color
Hex	0FDE70
RGB	15, 222, 112
RGB Percent	6%, 87%, 44%
CMY	0.9411, 0.1294, 0.5608
CMYK	0.93, 0.00, 0.50, 0.13
HSL	148°, 87%, 46%
HSV	148°, 93%, 87%
XYZ	29.2429, 53.5140, 24.1172
YIQ	147.5670, -88.0620, -78.0940

Conversions

Conversions Part 2

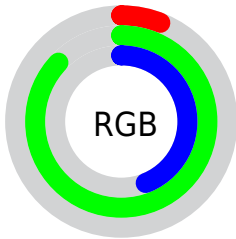
Format	Color
RYB	15, 156, 222
Decimal	1039984
CIELab	78.18, -68.39, 41.37
CIELCh	78, 79.930, 148.834
Yxy	53.5140, 0.2736, 0.5007
Android (android.graphics.Color)	4279230064 (0xFF0FDE70)
YUV	147.5670, -17.5345, -116.2613
Hunter-Lab	73.1533, -56.6631, 31.6605

Details

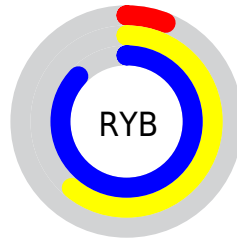
The XYZ color **29.2429, 53.5140, 24.1172** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **33.9985, 17.3529, 20.9623**, and the grayscale version is **28.0666, 29.5283, 32.1563**.

A 20% lighter version of the original color is **48.8582, 77.4878, 47.9789**, and **14.2974, 27.2472, 8.9206** is the 20% darker color. If you saturate the color by 10%, you get **28.6224, 53.2447, 21.8728**, and if you desaturate by 10%, it is **30.5182, 54.0920, 27.8351**.

Distribution



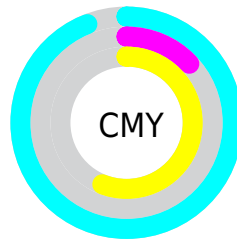
- Red (6%)
- Green (87%)
- Blue (44%)



- Red (6%)
- Yellow (61%)
- Blue (87%)



- Cyan (93%)
- Magenta (0%)
- Yellow (50%)
- Black (13%)





- Cyan (94%)
- Magenta (13%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2429, 53.5140, 24.1172 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 29.2429, 53.5140, 24.1172 by changing the saturation by 10% instead.


 29.2429, 53.5140,
24.1172


 29.2429, 53.5140,
24.1172


290.3329,
400.2540, 286.7181


 19.4099, 38.2133,
15.2076


 57.8577, 95.3603,
51.1676


 12.0726, 26.1482,
8.8170


 77.3701, 122.6746,
70.1455


 6.8657, 16.9346,
4.5268


 100.8397,
154.7623, 93.3165

 3.4238, 10.1879,
1.9186

 128.6319,
192.0076, 121.0993

 1.3816, 5.5237,
0.5045

 161.1119,
234.7951, 153.9123

 0.2431, 2.5577,
0.0000

198.6452,

 0.0000, 0.9054,

283.5090, 192.1740

0.0000

241.5971,
338.5339, 236.3031

■ 0.0000, 0.0000,
0.0000

■ 29.2429, 53.5140,
24.1172

■ 29.2429, 53.5140,
24.1172

■ 28.6224, 53.2447,
21.8728

■ 30.5182, 54.0920,
27.8351

■ 32.3657, 54.9531,
32.0443

■ 34.8656, 56.1400,
36.7654

■ 38.0839, 57.6862,
42.0163

■ 42.0777, 59.6209,
47.8138

■ 46.8983, 61.9702,
54.1741

■ 52.5923, 64.7579,
61.1124

■ 59.2027, 68.0059,
68.6434

■ 66.7698, 71.7345,
76.7812

Harmonies

Analogous

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



37.7060, 53.5140, 10.7213



29.2429, 53.5140, 24.1172



26.3499, 53.5140, 56.5335

Triad

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



29.2429, 53.5140, 24.1172



50.2543, 53.5140, 193.5826



81.9849, 53.5140, 25.8417

Complementary

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



29.2429, 53.5140, 24.1172



33.9985, 17.3529, 20.9623

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.



87.2040, 53.5140, 60.0369



29.2429, 53.5140, 24.1172



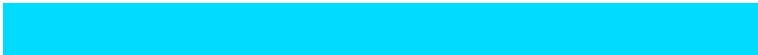
66.7728, 53.5140, 170.8253

Square

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



29.2429, 53.5140, 24.1172



36.8449, 53.5140, 167.2623



81.1469, 53.5140, 115.1073



68.0509, 53.5140, 11.2980

Rectangle

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



29.2429, 53.5140, 24.1172



27.3970, 53.5140, 90.6935



81.1469, 53.5140, 115.1073



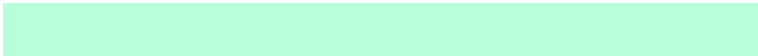
84.9287, 53.5140, 34.6701

Sweetspot

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



29.2442, 53.5162, 24.1184



67.9633, 86.6737, 78.8322



34.7254, 56.6697, 9.5603



13.8460, 18.2089, 16.0053



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.



29.2442, 53.5162, 24.1184



39.1192, 72.8637, 29.6096



38.5986, 57.2579, 73.3776



13.7947, 15.4436, 15.9544



17.0556, 31.6471, 13.2818



1.2271, 2.2116, 1.1573

Inverse Universe

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



33.9985, 17.3529, 20.9623



45.6492, 23.0237, 25.1487



30.4403, 15.9296, 2.2247



14.0101, 13.8217, 15.8235



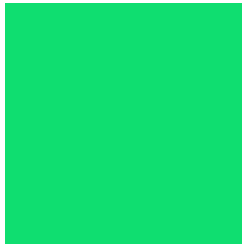
19.8913, 10.0235, 11.3593



1.4239, 0.7128, 1.0251

Previews

White Background



This preview shows how the XYZ color 29.2429, 53.5140, 24.1172 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 29.2429, 53.5140, 24.1172 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 29.2429, 53.5140, 24.1172

Background



This preview shows how black text looks on a background with the XYZ color 29.2429, 53.5140, 24.1172.

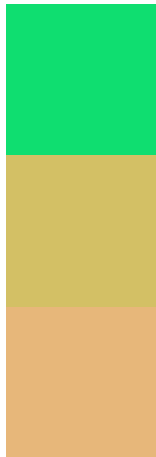


This preview shows how white text looks on a background with the XYZ color 29.2429, 53.5140,

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

29.2429, 53.5140, 24.1172

Protanopia

48.0626, 52.4877, 19.9099

Deuteranopia

53.4013, 52.2610, 25.6852



Tritanopia

40.3657, 53.0703, 80.0676

Trichromacy



Original Color

29.2429, 53.5140, 24.1172



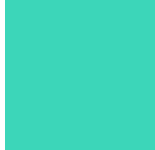
Protanomaly

34.7210, 49.3072, 21.0519



Deuteranomaly

36.1852, 47.9159, 24.4811



Tritanomaly

34.6670, 52.5566, 54.2162

Monochromacy



Original Color

29.2429, 53.5140, 24.1172



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.9587, 35.1185, 28.3848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2429, 53.5140, 24.1172 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(15, 222, 112)` looks like.

```
.text, #text, p{  
    color:rgb(15, 222, 112)  
}
```

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(15, 222, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 222, 112) }
```

Border

The CSS property to change the border of an element to XYZ 29.2429, 53.5140, 24.1172 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(15, 222, 112) }
```


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

```
.border{ border-color:rgb(15, 222, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 222, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 222, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 222, 112);  
box-shadow:4px 4px 4px 4px rgb(15, 222,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2429, 53.5140, 24.1172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 222, 112) }
```

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

```
.background{ background-color: rgb(15, 222,  
112) }
```

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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