

Converting Colors

XYZ(28.2660, 49.6091, 29.2488)

Have a look what the booklet for
XYZ(28.2660, 49.6091, 29.2488)
contains.

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Color

**XYZ(28.1328, 49.3596,
29.1637)**

Conversions

Conversions Part 1

Format	Color
Hex	15D582
RGB	21, 213, 130
RGB Percent	8%, 84%, 51%
CMY	0.9176, 0.1647, 0.4902
CMYK	0.90, 0.00, 0.39, 0.16
HSL	154°, 82%, 46%
HSV	154°, 90%, 84%
XYZ	28.1328, 49.3596, 29.1637
YIQ	146.1300, -87.7890, -66.5170

Conversions

Conversions Part 2

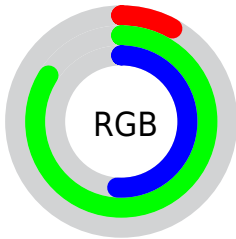
Format	Color
RYB	21, 143, 213
Decimal	1430914
CIELab	75.67, -61.93, 29.14
CIELCh	76, 68.443, 154.803
Yxy	49.3596, 0.2638, 0.4628
Android (android.graphics.Color)	4279620994 (0xFF15D582)
YUV	146.1300, -7.9521, -109.7390
Hunter-Lab	70.2564, -51.4718, 24.5680

Details

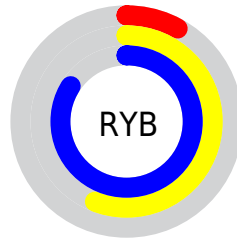
The XYZ color **28.1328, 49.3596, 29.1637** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.2094, 15.6832, 14.5353**, and the grayscale version is **27.4345, 28.8633, 31.4321**.

A 20% lighter version of the original color is **50.5961, 78.1688, 57.7688**, and **13.5049, 24.6931, 11.6439** is the 20% darker color. If you saturate the color by 10%, you get **27.2413, 48.9687, 26.0790**, and if you desaturate by 10%, it is **29.4384, 49.9594, 32.5985**.

Distribution



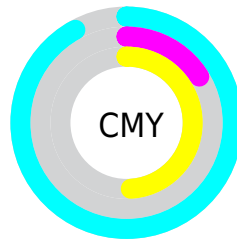
- Red (8%)
- Green (84%)
- Blue (51%)



- Red (8%)
- Yellow (56%)
- Blue (84%)



- Cyan (90%)
- Magenta (0%)
- Yellow (39%)
- Black (16%)





- Cyan (92%)
- Magenta (16%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1328, 49.3596, 29.1637 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 28.1328, 49.3596, 29.1637 by changing the saturation by 10% instead.


 28.1328, 49.3596,
29.1637


 28.1328, 49.3596,
29.1637


285.1695,
384.1563, 312.0716


 18.5668, 34.9048,
18.9580


 56.1036, 89.2253,
59.3824


 11.4598, 23.5896,
11.4635


 75.2390, 115.4050,
80.2324

 6.4466, 15.0294,
6.2614


 98.2949, 146.2618,
105.4678

 3.1617, 8.8401,
2.9333

 125.6367,
182.1802, 135.5068

 1.2398, 4.6370,
1.0607

 157.6297,
223.5444, 170.7682

 0.1375, 2.0359,
0.0000

194.6393,

 0.0000, 0.6282,

270.7389, 211.6705

0.0000

237.0307,
324.1480, 258.6321

■ 0.0000, 0.0000,
0.0000

■ 28.1328, 49.3596,
29.1637

■ 28.1328, 49.3596,
29.1637

■ 27.2413, 48.9687,
26.0790

■ 29.4384, 49.9594,
32.5985

■ 31.2630, 50.8187,
36.3526

■ 33.6732, 51.9733,
40.4372

■ 36.7244, 53.4515,
44.8616

■ 40.4653, 55.2782,
49.6347

■ 44.9395, 57.4759,
54.7648

■ 50.1872, 60.0650,
60.2600

■ 56.2452, 63.0644,
66.1280

■ 63.1482, 66.4919,
72.3763

Harmonies

Analogous

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



34.3310, 49.3596, 14.3838



28.1328, 49.3596, 29.1637



26.5739, 49.3596, 59.8047

Triad

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



28.1328, 49.3596, 29.1637



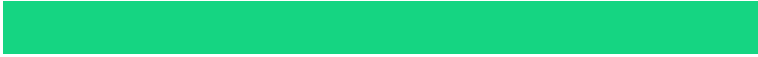
48.9858, 49.3596, 157.6548



69.9141, 49.3596, 22.9327

Complementary

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



28.1328, 49.3596, 29.1637



30.2094, 15.6832, 14.5353

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.



75.6415, 49.3596, 48.1076



28.1328, 49.3596, 29.1637



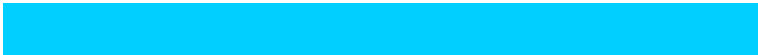
62.2498, 49.3596, 133.8721

Square

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



28.1328, 49.3596, 29.1637



37.2828, 49.3596, 144.9042



72.6112, 49.3596, 89.2837



58.0775, 49.3596, 12.0900

Rectangle

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



28.1328, 49.3596, 29.1637



28.0825, 49.3596, 88.6752



72.6112, 49.3596, 89.2837



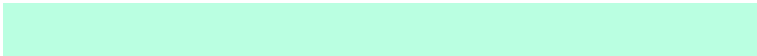
72.7060, 49.3596, 29.4539

Sweetspot

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



28.1341, 49.3616, 29.1648



69.6688, 87.4270, 84.6054



29.6638, 50.6000, 8.9134



14.3636, 18.4428, 17.5151



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.



28.1341, 49.3616, 29.1648



40.8523, 73.5569, 38.7355



33.0218, 46.3670, 70.1624



12.5548, 14.0129, 14.7360



16.6917, 29.9320, 16.2042



1.0479, 1.8218, 1.1942

Inverse Universe

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



30.2094, 15.6832, 14.5353



44.0676, 22.3910, 16.8201



28.1437, 15.3342, 2.1865



12.6439, 12.5091, 14.0652



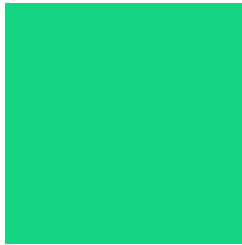
17.9933, 9.1336, 7.2688



1.1263, 0.5673, 0.6547

Previews

White Background



This preview shows how the XYZ color 28.1328, 49.3596, 29.1637 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 28.1328, 49.3596, 29.1637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

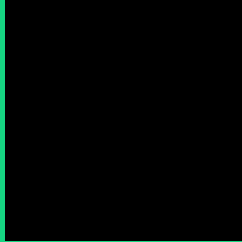
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.1328, 49.3596, 29.1637

Background



This preview shows how black text looks on a background with the XYZ color 28.1328, 49.3596, 29.1637.



This preview shows how white text looks on a background with the XYZ color 28.1328, 49.3596,

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

28.1328, 49.3596, 29.1637

Protanopia

44.7661, 48.4473, 24.4446

Deuteranopia

49.2230, 48.1847, 30.7510



Tritanopia

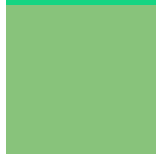
37.1312, 49.0178, 74.5222

Trichromacy



Original Color

28.1328, 49.3596, 29.1637



Protanomaly

33.2436, 45.6945, 25.8067



Deuteranomaly

34.6407, 44.6872, 29.7214



Tritanomaly

32.7859, 48.6300, 54.6722

Monochromacy



Original Color

28.1328, 49.3596, 29.1637



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.4752, 33.4096, 29.9697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1328, 49.3596, 29.1637 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(21, 213, 130)` looks like.

```
.text, #text, p{  
    color:rgb(21, 213, 130)  
}
```

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(21, 213, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 213, 130) }
```

Border

The CSS property to change the border of an element to XYZ 28.1328, 49.3596, 29.1637 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(21, 213, 130) }
```


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

```
.border{ border-color:rgb(21, 213, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 213, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 213, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 213, 130);  
box-shadow:4px 4px 4px 4px rgb(21, 213,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1328, 49.3596, 29.1637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 213, 130) }
```

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

```
.background{ background-color: rgb(21, 213,  
130) }
```

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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