

Converting Colors

XYZ(28.5569, 46.4915, 36.3406)

Have a look what the booklet for
XYZ(28.5569, 46.4915, 36.3406)
contains.

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Color

**XYZ(28.5553, 46.4930,
36.3232)**

Conversions

Conversions Part 1

Format	Color
Hex	30CD96
RGB	48, 205, 150
RGB Percent	19%, 80%, 59%
CMY	0.8117, 0.1961, 0.4118
CMYK	0.77, 0.00, 0.27, 0.20
HSL	159°, 62%, 50%
HSV	159°, 77%, 80%
XYZ	28.5553, 46.4930, 36.3232
YIQ	151.7870, -75.9170, -50.3890

Conversions

Conversions Part 2

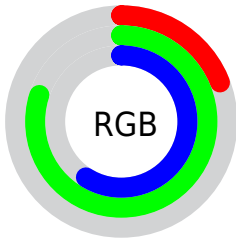
Format	Color
RYB	48, 143, 205
Decimal	3198358
CIELab	73.86, -52.47, 16.23
CIELCh	74, 54.921, 162.812
Yxy	46.4930, 0.2564, 0.4175
Android (android.graphics.Color)	4281388438 (0xFF30CD96)
YUV	151.7870, -0.8810, -91.0212
Hunter-Lab	68.1858, -44.5717, 16.1457

Details

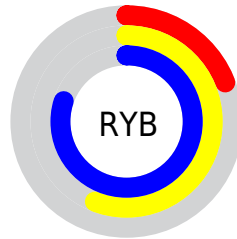
The XYZ color **28.5553, 46.4930, 36.3232** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **28.6836, 16.0736, 14.4250**, and the grayscale version is **29.7818, 31.3328, 34.1214**.

A 20% lighter version of the original color is **54.1303, 79.7312, 69.6634**, and **13.1585, 22.7135, 15.4950** is the 20% darker color. If you saturate the color by 10%, you get **27.2419, 45.8819, 33.3354**, and if you desaturate by 10%, it is **30.3531, 47.3521, 39.5208**.

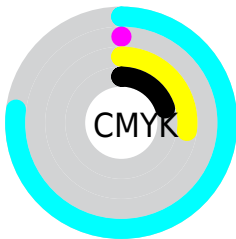
Distribution



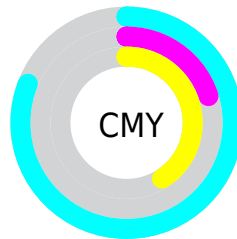
- Red (19%)
- Green (80%)
- Blue (59%)



- Red (19%)
- Yellow (56%)
- Blue (80%)



- Cyan (77%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (81%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5553, 46.4930, 36.3232 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 28.5553, 46.4930, 36.3232 by changing the saturation by 10% instead.


 28.5553, 46.4930,
36.3232


 28.5553, 46.4930,
36.3232


287.1431,
372.7871, 345.4510


 18.8873, 32.6350,
24.3922


 56.7723, 84.9563,
70.7053


 11.6924, 21.8470,
15.4100


 76.0519, 110.3305,
93.9935


 6.6053, 13.7445,
8.9578


 99.2661, 140.3122,
121.9045

 3.2606, 7.9432,
4.6172

 126.7802,
175.2858, 154.8569

 1.2930, 4.0586,
1.9697

 158.9596,
215.6357, 193.2692

 0.1780, 1.7064,
0.5366

196.1697,

 0.0000, 0.4278,

261.7463, 237.5600

0.0000

238.7757,
314.0020, 288.1477

■ 0.0000, 0.0000,
0.0000

■ 28.5553, 46.4930,
36.3232

■ 28.5553, 46.4930,
36.3232

■ 27.2419, 45.8819,
33.3354

■ 30.3531, 47.3521,
39.5208

■ 26.3380, 45.4767,
30.5476

■ 32.6866, 48.4820,
42.9307

■ 26.0784, 45.3627,
29.6381

■ 35.6045, 49.9090,
46.5593

■ 39.1487, 51.6545,
50.4117

■ 43.3572, 53.7381,
54.4926

■ 48.2648, 56.1776,
58.8066

■ 53.9040, 58.9898,
63.3580

■ 60.3049, 62.1902,
68.1510

■ 67.4962, 65.7933,
73.1896

Harmonies

Analogous

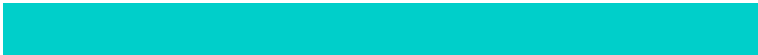
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.6072, 46.4930, 20.5108



28.5553, 46.4930, 36.3232



28.2786, 46.4930, 63.5238

Triad

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



28.5553, 46.4930, 36.3232



48.4910, 46.4930, 123.3501



59.4634, 46.4930, 22.1436

Complementary

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



28.5553, 46.4930, 36.3232



28.6836, 16.0736, 14.4250

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.



65.1701, 46.4930, 39.5989



28.5553, 46.4930, 36.3232



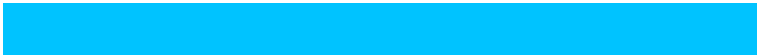
58.2351, 46.4930, 101.2733

Square

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



28.5553, 46.4930, 36.3232



38.8651, 46.4930, 121.4339



64.6900, 46.4930, 68.2554



49.9808, 46.4930, 14.6440

Rectangle

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



28.5553, 46.4930, 36.3232



30.2001, 46.4930, 85.7566



64.6900, 46.4930, 68.2554



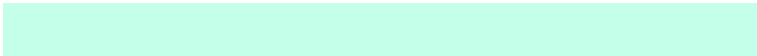
61.9455, 46.4930, 26.6961

Sweetspot

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



28.5565, 46.4948, 36.3243



73.5325, 89.2693, 91.5385



28.2589, 46.9157, 10.3633



15.1419, 18.8109, 19.0503



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.



28.5565, 46.4948, 36.3243



43.5813, 74.6828, 51.5577



29.3942, 39.3468, 63.8051



11.3699, 12.6577, 13.5051



16.2807, 28.2576, 18.6949



0.8750, 1.4718, 1.1492

Inverse Universe

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



28.6836, 16.0736, 14.4250



43.9249, 22.7456, 14.7993



27.8358, 17.4419, 4.6966



11.3719, 11.2775, 12.4931



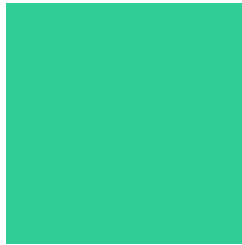
16.4390, 8.3862, 4.7644



0.8838, 0.4469, 0.4341

Previews

White Background



This preview shows how the XYZ color 28.5553, 46.4930, 36.3232 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 28.5553, 46.4930, 36.3232 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

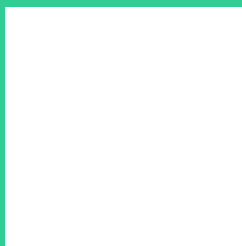
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5553, 46.4930, 36.3232

Background



This preview shows how black text looks on a background with the XYZ color 28.5553, 46.4930, 36.3232.



This preview shows how white text looks on a background with the XYZ color 28.5553, 46.4930,

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

28.5553, 46.4930, 36.3232

Protanopia

42.6469, 45.6840, 30.6149

Deuteranopia

46.4830, 45.4433, 38.2198



Tritanopia

35.2848, 46.4421, 70.0553

Trichromacy



Original Color

28.5553, 46.4930, 36.3232



Protanomaly

33.8953, 43.9236, 32.2828



Deuteranomaly

35.5761, 43.4206, 37.0778



Tritanomaly

32.3324, 46.2552, 55.9392

Monochromacy



Original Color

28.5553, 46.4930, 36.3232



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.0883, 34.9376, 34.5941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5553, 46.4930, 36.3232 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(48, 205, 150)` looks like.

```
.text, #text, p{  
    color:rgb(48, 205, 150)  
}
```

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(48, 205, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 205, 150) }
```

Border

The CSS property to change the border of an element to XYZ 28.5553, 46.4930, 36.3232 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(48, 205, 150) }
```


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

```
.border{ border-color:rgb(48, 205, 150) }
```

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

Here you see how a box with a 4 pixel rgb(48, 205, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 205, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 205, 150);  
box-shadow:4px 4px 4px 4px rgb(48, 205,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5553, 46.4930, 36.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 205, 150) }
```

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

```
.background{ background-color: rgb(48, 205,  
150) }
```

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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