

Converting Colors

XYZ(28.7504, 46.2768, 37.7431)

Have a look what the booklet for
XYZ(28.7504, 46.2768, 37.7431)
contains.

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Color

**XYZ(28.6580, 46.1637,
37.5371)**

Conversions

Conversions Part 1

Format	Color
Hex	32CC99
RGB	50, 204, 153
RGB Percent	20%, 80%, 60%
CMY	0.8039, 0.2000, 0.4000
CMYK	0.75, 0.00, 0.25, 0.20
HSL	160°, 61%, 50%
HSV	160°, 75%, 80%
XYZ	28.6580, 46.1637, 37.5371
YIQ	152.1400, -75.4130, -48.5090

Conversions

Conversions Part 2

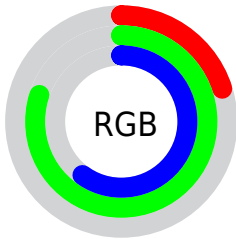
Format	Color
RYB	50, 142, 204
Decimal	3329177
CIELab	73.65, -51.15, 14.33
CIELCh	74, 53.121, 164.345
Yxy	46.1637, 0.2551, 0.4109
Android (android.graphics.Color)	4281519257 (0xFF32CC99)
YUV	152.1400, 0.4240, -89.5768
Hunter-Lab	67.9439, -43.6124, 14.8046

Details

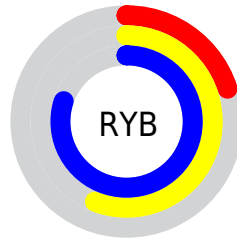
The XYZ color **28.6580, 46.1637, 37.5371** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **28.3929, 16.0592, 13.9170**, and the grayscale version is **29.9283, 31.4869, 34.2893**.

A 20% lighter version of the original color is **54.6302, 79.9469, 71.5835**, and **13.1457, 22.4542, 16.2116** is the 20% darker color. If you saturate the color by 10%, you get **27.3251, 45.5404, 34.6444**, and if you desaturate by 10%, it is **30.4728, 47.0341, 40.6193**.

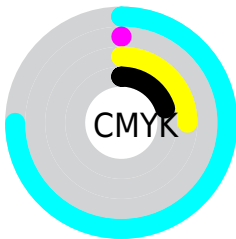
Distribution



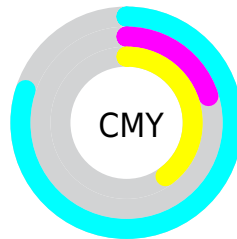
- Red (20%)
- Green (80%)
- Blue (60%)



- Red (20%)
- Yellow (56%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)





- Cyan (80%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6580, 46.1637, 37.5371 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 28.6580, 46.1637, 37.5371 by changing the saturation by 10% instead.


 28.6580, 46.1637,
37.5371


 28.6580, 46.1637,
37.5371


287.6213,
371.4664, 350.8685


 18.9652, 32.3750,
25.3246


 56.9346, 84.4639,
72.5936


 11.7490, 21.6481,
16.0978


 76.2491, 109.7443,
96.2747


 6.6440, 13.5986,
9.4383


 99.5017, 139.6240,
124.6157

 3.2848, 7.8420,
4.9275

 127.0575,
174.4874, 158.0351

 1.3061, 3.9940,
2.1468

 159.2820,
214.7190, 196.9516

 0.1878, 1.6702,
0.6434

196.5406,

 0.0000, 0.4043,

260.7030, 241.7837

0.0000

239.1986,
312.8241, 292.9498

■ 0.0000, 0.0000,
0.0000

■ 28.6580, 46.1637,
37.5371

■ 28.6580, 46.1637,
37.5371

■ 27.3251, 45.5404,
34.6444

■ 30.4728, 47.0341,
40.6193

■ 26.4049, 45.1251,
31.9324

■ 32.8192, 48.1737,
43.8930

■ 26.0690, 44.9774,
30.7647

■ 35.7443, 49.6078,
47.3640

■ 39.2890, 51.3576,
51.0366

■ 43.4903, 53.4420,
54.9152

■ 48.3824, 55.8785,
59.0037

■ 53.9969, 58.6835,
63.3060

■ 60.3635, 61.8721,
67.8257

■ 67.5101, 65.4588,
72.5665

Harmonies

Analogous

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



32.4056, 46.1637, 21.5659



28.6580, 46.1637, 37.5371



28.5775, 46.1637, 64.2284

Triad

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



28.6580, 46.1637, 37.5371



48.5149, 46.1637, 119.0434



58.1316, 46.1637, 22.0460

Complementary

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



28.6580, 46.1637, 37.5371



28.3929, 16.0592, 13.9170

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.



63.8465, 46.1637, 38.4870



28.6580, 46.1637, 37.5371



57.7795, 46.1637, 97.1799

Square

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



28.6580, 46.1637, 37.5371



39.1733, 46.1637, 118.4994



63.7091, 46.1637, 65.5854



48.9434, 46.1637, 15.0555

Rectangle

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



28.6580, 46.1637, 37.5371



30.5685, 46.1637, 85.5368



63.7091, 46.1637, 65.5854



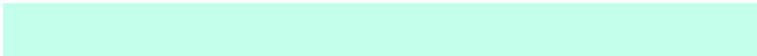
60.5774, 46.1637, 26.3296

Sweetspot

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



28.6592, 46.1655, 37.5382



73.6949, 89.3343, 92.3935



27.5743, 46.2039, 10.4832



15.1814, 18.8267, 19.2584



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.



28.6592, 46.1655, 37.5382



44.1631, 74.9219, 54.3317



28.2027, 37.0131, 62.7866



11.3791, 12.6614, 13.5540



16.4522, 28.3262, 19.5979



0.8830, 1.4750, 1.1911

Inverse Universe

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



28.3929, 16.0592, 13.9170



43.8360, 22.7871, 14.0941



28.0405, 18.1920, 5.0518



11.3630, 11.2739, 12.4461



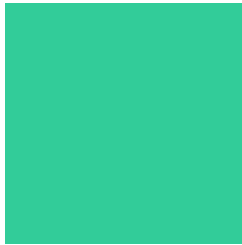
16.3606, 8.3548, 4.3514



0.8791, 0.4450, 0.4092

Previews

White Background



This preview shows how the XYZ color 28.6580, 46.1637, 37.5371 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 28.6580, 46.1637, 37.5371 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

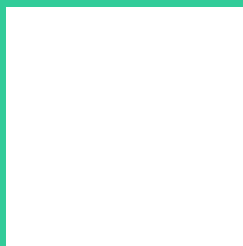
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6580, 46.1637, 37.5371

Background



This preview shows how black text looks on a background with the XYZ color 28.6580, 46.1637, 37.5371.

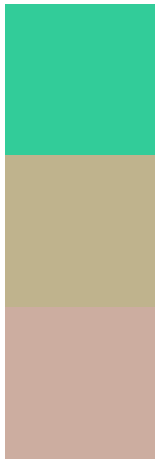


This preview shows how white text looks on a background with the XYZ color 28.6580, 46.1637,

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

28.6580, 46.1637, 37.5371

Protanopia

42.4137, 45.2397, 31.6960

Deuteranopia

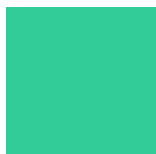
46.1906, 45.2626, 39.5598



Tritanopia

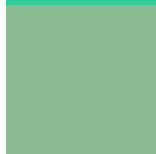
34.9319, 45.9388, 69.3133

Trichromacy



Original Color

28.6580, 46.1637, 37.5371



Protanomaly

33.9093, 43.5862, 33.4138



Deuteranomaly

35.4390, 43.0112, 38.3324



Tritanomaly

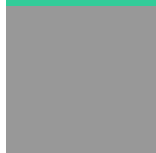
32.2816, 45.8736, 56.4433

Monochromacy



Original Color

28.6580, 46.1637, 37.5371



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.3006, 35.0377, 35.0298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6580, 46.1637, 37.5371 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(50, 204, 153)` looks like.

```
.text, #text, p{  
    color:rgb(50, 204, 153)  
}
```

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(50, 204, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 204, 153) }
```

Border

The CSS property to change the border of an element to XYZ 28.6580, 46.1637, 37.5371 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(50, 204, 153) }
```


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

```
.border{ border-color:rgb(50, 204, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 204, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 204, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 204, 153);  
box-shadow:4px 4px 4px 4px rgb(50, 204,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6580, 46.1637, 37.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 204, 153) }
```

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

```
.background{ background-color: rgb(50, 204,  
153) }
```

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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