

Converting Colors

XYZ(29.2521, 42.7900, 48.8370)

Have a look what the booklet for
XYZ(29.2521, 42.7900, 48.8370)
contains.

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Color

**XYZ(29.2521, 42.7900,
48.8370)**

Conversions

Conversions Part 1

Format	Color
Hex	3DC2B2
RGB	61, 194, 178
RGB Percent	24%, 76%, 70%
CMY	0.7608, 0.2392, 0.3020
CMYK	0.69, 0.00, 0.08, 0.24
HSL	173°, 52%, 50%
HSV	173°, 69%, 76%
XYZ	29.2521, 42.7900, 48.8370
YIQ	152.4090, -74.1320, -33.1720

Conversions

Conversions Part 2

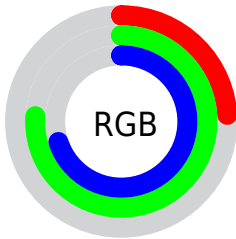
Format	Color
RYB	61, 132, 194
Decimal	4047538
CIELab	71.41, -39.20, -2.38
CIElCh	71, 39.270, 183.480
Yxy	42.7900, 0.2420, 0.3540
Android (android.graphics.Color)	4282237618 (0xFF3DC2B2)
YUV	152.4090, 12.6164, -80.1657
Hunter-Lab	65.4141, -34.6523, 1.5250

Details

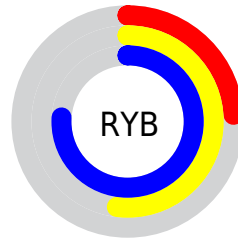
The XYZ color **29.2521, 42.7900, 48.8370** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **25.2578, 15.3438, 8.6531**, and the grayscale version is **29.9932, 31.5552, 34.3636**.

A 20% lighter version of the original color is **57.9526, 79.3705, 90.1075**, and **13.0798, 20.2368, 22.6188** is the 20% darker color. If you saturate the color by 10%, you get **28.0349, 42.1903, 47.5678**, and if you desaturate by 10%, it is **30.9076, 43.6171, 50.1494**.

Distribution



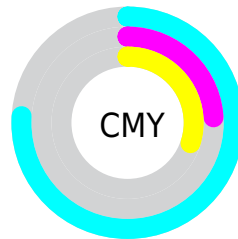
- Red (24%)
- Green (76%)
- Blue (70%)



- Red (24%)
- Yellow (52%)
- Blue (76%)



- Cyan (69%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)



- Cyan (76%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2521, 42.7900, 48.8370 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 29.2521, 42.7900, 48.8370 by changing the saturation by 10% instead.

■ 29.2521, 42.7900,
48.8370

■ 29.2521, 42.7900,
48.8370

290.3754,
357.7474, 398.7043

■ 19.4169, 29.7204,
34.1255

■ 57.8722, 79.3939,
89.8278

■ 12.0777, 19.6264,
22.7119

■ 77.3877, 103.6969,
116.9442

■ 6.8692, 12.1238,
14.1776

■ 100.8607,
132.5132, 149.0326

■ 3.4260, 6.8280,
8.1041

■ 128.6566,
166.2272, 186.5116

■ 1.3828, 3.3548,
4.0729

■ 161.1406,
205.2232, 229.7997

■ 0.2440, 1.3196,
1.6654

198.6782,

■ 0.0000, 0.1563,

249.8856, 279.3155

0.3369

241.6346,
300.5989, 335.4775

■ 0.0000, 0.0000,
0.0000

■ 29.2521, 42.7900,
48.8370

■ 29.2521, 42.7900,
48.8370

■ 28.0349, 42.1903,
47.5678

■ 30.9076, 43.6171,
50.1494

■ 27.2030, 41.7879,
46.3365

■ 33.0396, 44.6884,
51.5041

■ 26.6782, 41.5433,
45.1401

■ 35.6861, 46.0245,
52.9039

■ 26.6109, 41.5123,
44.9692

■ 38.8804, 47.6425,
54.3504

■ 42.6530, 49.5582,
55.8452

■ 47.0322, 51.7861,
57.3898

■ 52.0442, 54.3398,
58.9853

■ 57.7139, 57.2320,
60.6332

■ 64.0647, 60.4749,
62.3345

Harmonies

Analogous

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



30.3201, 42.7900, 32.1480



29.2521, 42.7900, 48.8370



30.9593, 42.7900, 69.7081

Triad

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



29.2521, 42.7900, 48.8370



48.0968, 42.7900, 84.0478



46.6170, 42.7900, 21.0107

Complementary

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



29.2521, 42.7900, 48.8370



25.2578, 15.3438, 8.6531

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.



52.2261, 42.7900, 29.2497



29.2521, 42.7900, 48.8370



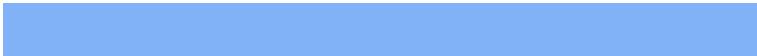
53.1434, 42.7900, 64.8179

Square

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



29.2521, 42.7900, 48.8370



41.4475, 42.7900, 93.2178



54.7301, 42.7900, 44.4150



39.9035, 42.7900, 18.8735

Rectangle

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



29.2521, 42.7900, 48.8370



33.5626, 42.7900, 82.4164



54.7301, 42.7900, 44.4150



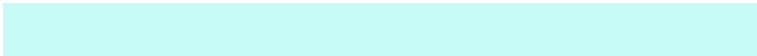
48.7174, 42.7900, 23.0235

Sweetspot

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



29.2533, 42.7916, 48.8380



75.2663, 88.7638, 100.4125



23.3377, 40.5730, 11.0171



16.0555, 19.2215, 21.8218



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.



29.2533, 42.7916, 48.8380



49.9939, 76.0478, 85.1107



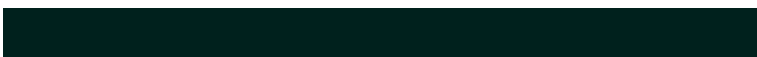
21.8245, 25.2110, 54.7567



10.3147, 11.4069, 12.6604



17.5154, 27.3002, 29.6711



0.7718, 1.1856, 1.3611

Inverse Universe

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



25.2578, 15.3438, 8.6531



42.3799, 23.1368, 8.0842



28.6427, 22.9094, 7.3281



10.1214, 10.0972, 10.7299



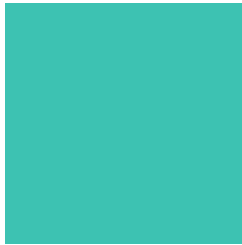
14.7479, 7.5889, 1.3184



0.6539, 0.3346, 0.1446

Previews

White Background



This preview shows how the XYZ color 29.2521, 42.7900, 48.8370 looks on a white background.

Color Contrast Check

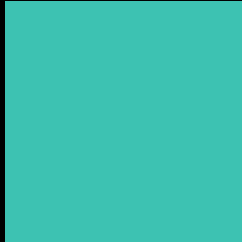
Large Text (above 18pt) WCAG AA × Fail

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 29.2521, 42.7900, 48.8370 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

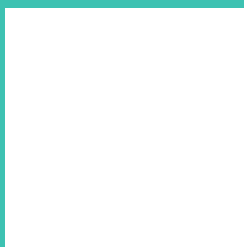
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2521, 42.7900, 48.8370

Background



This preview shows how black text looks on a background with the XYZ color 29.2521, 42.7900, 48.8370.

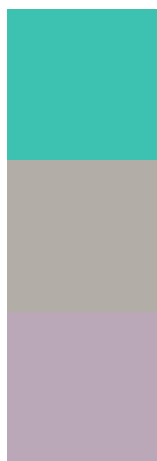


This preview shows how white text looks on a background with the XYZ color 29.2521, 42.7900,

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

29.2521, 42.7900, 48.8370

Protanopia

40.1866, 42.1053, 42.0855

Deuteranopia

42.9041, 41.9051, 51.1746



Tritanopia

32.3346, 42.7305, 64.3012

Trichromacy



Original Color

29.2521, 42.7900, 48.8370



Protanomaly

33.7712, 41.1009, 44.1835



Deuteranomaly

35.1501, 40.4844, 50.2176



Tritanomaly

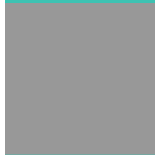
31.0069, 42.5038, 58.1996

Monochromacy



Original Color

29.2521, 42.7900, 48.8370



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.8595, 34.1326, 38.8381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2521, 42.7900, 48.8370 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(61, 194, 178)` looks like.

```
.text, #text, p{  
    color:rgb(61, 194, 178)  
}
```

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(61, 194, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 194, 178) }
```

Border

The CSS property to change the border of an element to XYZ 29.2521, 42.7900, 48.8370 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(61, 194, 178) }
```


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

```
.border{ border-color:rgb(61, 194, 178) }
```

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

Here you see how a box with a 4 pixel rgb(61, 194, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 194, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 194, 178);  
box-shadow:4px 4px 4px 4px rgb(61, 194,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2521, 42.7900, 48.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 194, 178) }
```

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

```
.background{ background-color: rgb(61, 194,  
178) }
```

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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