

Converting Colors

XYZ(29.7449, 43.0031, 57.2799)

Have a look what the booklet for
XYZ(29.7449, 43.0031, 57.2799)
contains.

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Color

**XYZ(29.6450, 42.8089,
57.1526)**

Conversions

Conversions Part 1

Format	Color
Hex	24C2C1
RGB	36, 194, 193
RGB Percent	14%, 76%, 76%
CMY	0.8588, 0.2392, 0.2431
CMYK	0.81, 0.00, 0.01, 0.24
HSL	180°, 69%, 45%
HSV	180°, 81%, 76%
XYZ	29.6450, 42.8089, 57.1526
YIQ	146.6440, -93.8470, -33.8070

Conversions

Conversions Part 2

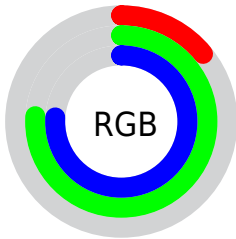
Format	Color
R_{YB}	36, 115, 194
Decimal	2409153
CIE _{Lab}	71.43, -37.75, -10.60
CIE _{LCh}	71, 39.208, 195.685
Yxy	42.8089, 0.2287, 0.3303
Android (android.graphics.Color)	4280599233 (0xFF24C2C1)
YUV	146.6440, 22.8535, -97.0348
Hunter-Lab	65.4285, -33.6233, -5.9906

Details

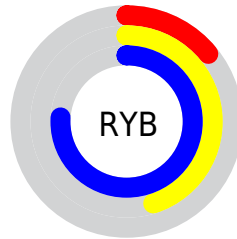
The XYZ color **29.6450, 42.8089, 57.1526** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **23.2144, 12.8660, 3.0115**, and the grayscale version is **27.5251, 28.9585, 31.5358**.

A 20% lighter version of the original color is **58.4061, 79.3446, 101.8593**, and **14.1117, 20.6496, 28.0530** is the 20% darker color. If you saturate the color by 10%, you get **29.1288, 42.5453, 57.0578**, and if you desaturate by 10%, it is **30.5303, 43.2647, 57.2667**.

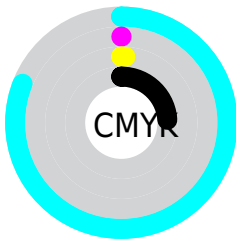
Distribution



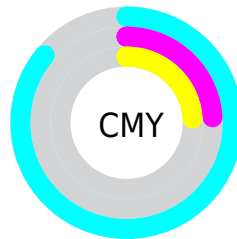
- Red (14%)
- Green (76%)
- Blue (76%)



- Red (14%)
- Yellow (45%)
- Blue (76%)



- Cyan (81%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (86%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6450, 42.8089, 57.1526 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 29.6450, 42.8089, 57.1526 by changing the saturation by 10% instead.

■ 29.6450, 42.8089,
57.1526

■ 29.6450, 42.8089,
57.1526

292.1858,
357.8253, 431.5306

■ 19.7160, 29.7352,
40.7176

■ 58.4908, 79.4224,
102.1904

■ 12.2958, 19.6377,
27.7804

■ 78.1383, 103.7310,
131.6302

■ 7.0191, 12.1320,
17.9226

■ 101.7561,
132.5534, 166.2421

■ 3.5205, 6.8336,
10.7256

■ 129.7095,
166.2739, 206.4445

■ 1.4346, 3.3583,
5.7708

■ 162.3637,
205.2769, 252.6560

■ 0.2807, 1.3215,
2.6397

200.0843,

■ 0.0000, 0.1578,

249.9469, 305.2952

0.9128

243.2366,
300.6682, 364.7805

■ 0.0000, 0.0000,
0.0000

■ 29.6450, 42.8089,
57.1526

■ 29.6450, 42.8089,
57.1526

■ 29.1288, 42.5453,
57.0578

■ 30.5303, 43.2647,
57.2667

■ 28.8928, 42.4250,
56.9855

■ 31.8329, 43.9346,
57.3993

■ 33.5977, 44.8428,
57.5537

■ 35.8628, 46.0089,
57.7315

■ 38.6624, 47.4505,
57.9344

■ 42.0278, 49.1839,
58.1639

■ 45.9877, 51.2237,
58.4212

■ 50.5689, 53.5838,
58.7077

■ 55.7967, 56.2772,
59.0244

Harmonies

Analogous

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



29.5814, 42.8089, 38.1841



29.6450, 42.8089, 57.1526



32.4453, 42.8089, 77.7810

Triad

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



29.6450, 42.8089, 57.1526



50.4691, 42.8089, 76.9193



43.9103, 42.8089, 19.5044

Complementary

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



29.6450, 42.8089, 57.1526



23.2144, 12.8660, 3.0115

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.



50.2217, 42.8089, 25.1295



29.6450, 42.8089, 57.1526



54.2770, 42.8089, 56.1959

Square

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



29.6450, 42.8089, 57.1526



44.2196, 42.8089, 91.1321



54.1819, 42.8089, 37.4536



37.3507, 42.8089, 19.6305

Rectangle

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



29.6450, 42.8089, 57.1526



35.6799, 42.8089, 88.2362



54.1819, 42.8089, 37.4536



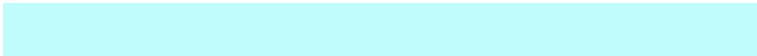
46.1453, 42.8089, 20.7013

Sweetspot

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



29.6463, 42.8105, 57.1536



74.2363, 88.1247, 105.2474



20.4345, 39.1368, 8.1474



15.7699, 19.0475, 23.0149



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.



29.6463, 42.8105, 57.1536



52.4090, 76.8939, 103.2489



16.9024, 17.1432, 53.4587



10.3657, 11.4273, 12.9292



18.9968, 27.8928, 37.4716



0.8217, 1.2055, 1.6238

Inverse Universe

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



23.2144, 12.8660, 3.0115



40.3991, 20.9037, 2.0956



28.4033, 23.2686, 4.6645



10.0758, 10.0789, 10.4894



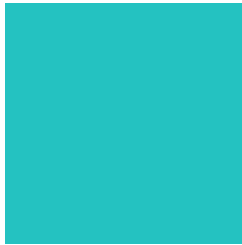
14.6331, 7.5430, 0.7139



0.6332, 0.3263, 0.0356

Previews

White Background



This preview shows how the XYZ color 29.6450, 42.8089, 57.1526 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 29.6450, 42.8089, 57.1526 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

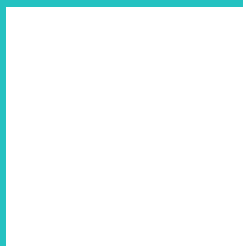
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6450, 42.8089, 57.1526

Background



This preview shows how black text looks on a background with the XYZ color 29.6450, 42.8089, 57.1526.

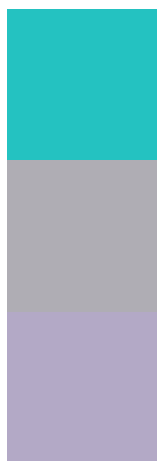


This preview shows how white text looks on a background with the XYZ color 29.6450, 42.8089,

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

29.6450, 42.8089, 57.1526

Protanopia

40.8610, 42.2964, 49.1904

Deuteranopia

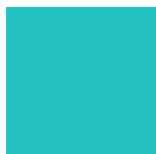
42.9714, 42.0369, 59.2752



Tritanopia

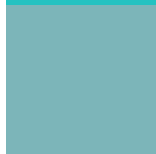
31.3787, 42.8572, 65.6499

Trichromacy



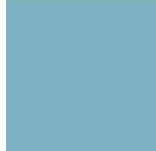
Original Color

29.6450, 42.8089, 57.1526



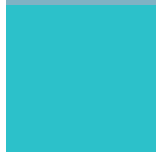
Protanomaly

33.5930, 40.8356, 52.0105



Deuteranomaly

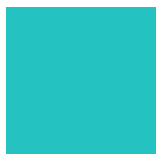
34.6366, 40.3383, 58.1851



Tritanomaly

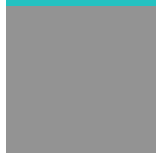
30.7693, 42.9397, 62.5436

Monochromacy



Original Color

29.6450, 42.8089, 57.1526



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.0397, 32.3571, 39.9951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6450, 42.8089, 57.1526 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(36, 194, 193)` looks like.

```
.text, #text, p{  
    color:rgb(36, 194, 193)  
}
```

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(36, 194, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 194, 193) }
```

Border

The CSS property to change the border of an element to XYZ 29.6450, 42.8089, 57.1526 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(36, 194, 193) }
```


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

```
.border{ border-color:rgb(36, 194, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 194, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 194, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 194, 193);  
box-shadow:4px 4px 4px 4px rgb(36, 194,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6450, 42.8089, 57.1526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 194, 193) }
```

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

```
.background{ background-color: rgb(36, 194,  
193) }
```

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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