

Converting Colors

XYZ(29.7464, 43.6590, 54.6517)

Have a look what the booklet for
XYZ(29.7464, 43.6590, 54.6517)
contains.

XYZ(29.6537, 43.5420, 54.4185)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6537, 43.5420,
54.4185)**

Conversions

Conversions Part 1

Format	Color
Hex	27C4BC
RGB	39, 196, 188
RGB Percent	15%, 77%, 74%
CMY	0.8470, 0.2314, 0.2627
CMYK	0.80, 0.00, 0.04, 0.23
HSL	177°, 67%, 46%
HSV	177°, 80%, 77%
XYZ	29.6537, 43.5420, 54.4185
YIQ	148.1450, -91.0040, -35.7720

Conversions

Conversions Part 2

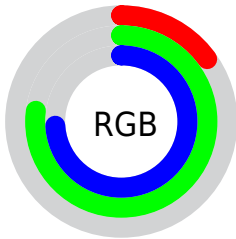
Format	Color
RYB	39, 120, 196
Decimal	2606268
CIELab	71.92, -39.85, -7.13
CIElCh	72, 40.486, 190.142
Yxy	43.5420, 0.2324, 0.3412
Android (android.graphics.Color)	4280796348 (0xFF27C4BC)
YUV	148.1450, 19.6485, -95.7202
Hunter-Lab	65.9864, -35.2598, -2.7056

Details

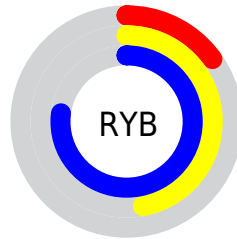
The XYZ color **29.6537, 43.5420, 54.4185** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **24.0050, 13.3933, 4.0107**, and the grayscale version is **28.1586, 29.6250, 32.2616**.

A 20% lighter version of the original color is **58.3938, 80.3596, 98.0212**, and **13.8981, 20.7990, 26.2038** is the 20% darker color. If you saturate the color by 10%, you get **28.9872, 43.2118, 53.8280**, and if you desaturate by 10%, it is **30.7067, 44.0733, 55.0329**.

Distribution



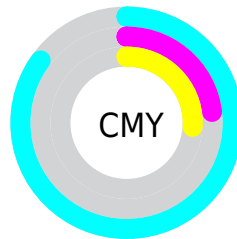
- Red (15%)
- Green (77%)
- Blue (74%)



- Red (15%)
- Yellow (47%)
- Blue (77%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)



- Cyan (85%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6537, 43.5420, 54.4185 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 29.6537, 43.5420, 54.4185 by changing the saturation by 10% instead.


 29.6537, 43.5420,
54.4185

 29.6537, 43.5420,
54.4185


292.2258,
360.8360, 420.9235


 19.7226, 30.3106,
38.5409


 58.5045, 80.5281,
98.1510


 12.3007, 20.0745,
26.0977


 78.1549, 105.0516,
126.8430

 7.0225, 12.4492,
16.6703


 101.7759,
134.1080, 160.6436

 3.5226, 7.0504,
9.8402

 129.7327,
168.0816, 199.9712

 1.4358, 3.4936,
5.1889

 162.3908,
207.3568, 245.2445

 0.2815, 1.3945,
2.2979

200.1154,

 0.0000, 0.2127,

252.3180, 296.8820

0.7300

243.2720,
303.3496, 355.3021

■ 0.0000, 0.0000,
0.0000

■ 29.6537, 43.5420,
54.4185

■ 29.6537, 43.5420,
54.4185

■ 28.9872, 43.2118,
53.8280

■ 30.7067, 44.0733,
55.0329

■ 28.6049, 43.0269,
53.2590

■ 32.1941, 44.8275,
55.6706

■ 34.1612, 45.8290,
56.3347

■ 36.6465, 47.0974,
57.0269

■ 39.6845, 48.6508,
57.7489

■ 43.3070, 50.5053,
58.5022

■ 47.5432, 52.6761,
59.2881

■ 52.4203, 55.1773,
60.1080

■ 57.9640, 58.0220,
60.9630

Harmonies

Analogous

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



30.1217, 43.5420, 35.6415



29.6537, 43.5420, 54.4185



32.0514, 43.5420, 76.3581

Triad

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



29.6537, 43.5420, 54.4185



50.5389, 43.5420, 82.7810



46.0564, 43.5420, 19.9052

Complementary

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



29.6537, 43.5420, 54.4185



24.0050, 13.3933, 4.0107

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.



52.3755, 43.5420, 26.8950



29.6537, 43.5420, 54.4185



55.1560, 43.5420, 61.5195

Square

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



29.6537, 43.5420, 54.4185



43.7652, 43.5420, 95.4954



55.8632, 43.5420, 41.0304



39.0934, 43.5420, 18.9861

Rectangle

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



29.6537, 43.5420, 54.4185



35.1269, 43.5420, 88.5744



55.8632, 43.5420, 41.0304



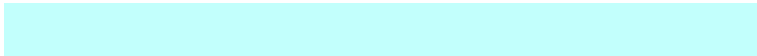
48.3462, 43.5420, 21.5071

Sweetspot

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



29.6550, 43.5436, 54.4195



75.5086, 89.9836, 105.3853



21.3968, 40.2927, 8.5700



15.6629, 19.0048, 22.4516



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.



29.6550, 43.5436, 54.4195



51.9934, 78.0281, 96.7375



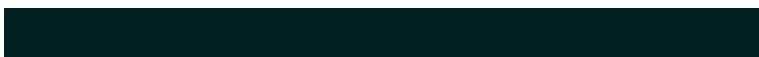
18.5170, 19.8487, 55.0815



10.3456, 11.4193, 12.8235



18.3892, 27.6497, 34.2723



0.8015, 1.1974, 1.5173

Inverse Universe

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



24.0050, 13.3933, 4.0107



41.5021, 21.5420, 2.7644



28.3941, 22.4067, 4.7489



10.0935, 10.0860, 10.5831



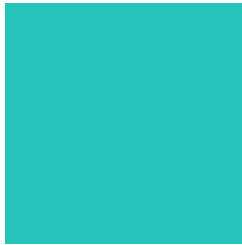
14.6724, 7.5587, 0.9208



0.6413, 0.3295, 0.0783

Previews

White Background



This preview shows how the XYZ color 29.6537, 43.5420, 54.4185 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 29.6537, 43.5420, 54.4185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

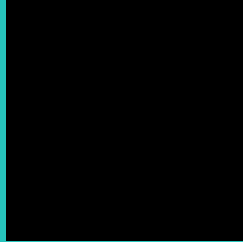
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

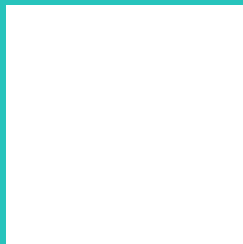
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6537, 43.5420, 54.4185

Background



This preview shows how black text looks on a background with the XYZ color 29.6537, 43.5420, 54.4185.

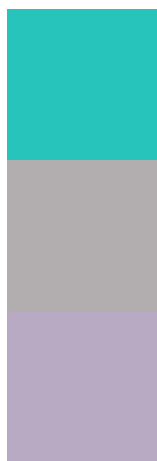


This preview shows how white text looks on a background with the XYZ color 29.6537, 43.5420,

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

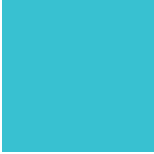
29.6537, 43.5420, 54.4185

Protanopia

41.2340, 42.8322, 46.6516

Deuteranopia

43.6408, 42.7118, 56.9830



Tritanopia

32.2095, 43.5841, 67.0366

Trichromacy



Original Color

29.6537, 43.5420, 54.4185



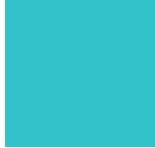
Protanomaly

33.7186, 41.2632, 49.3675



Deuteranomaly

34.9946, 40.8713, 55.9137



Tritanomaly

31.1498, 43.4787, 62.0088

Monochromacy



Original Color

29.6537, 43.5420, 54.4185



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.2503, 32.7428, 39.5868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6537, 43.5420, 54.4185 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(39, 196, 188)` looks like.

```
.text, #text, p{  
    color:rgb(39, 196, 188)  
}
```

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(39, 196, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 196, 188) }
```

Border

The CSS property to change the border of an element to XYZ 29.6537, 43.5420, 54.4185 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(39, 196, 188) }
```


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

```
.border{ border-color:rgb(39, 196, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 196, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 196, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 196, 188);  
box-shadow:4px 4px 4px 4px rgb(39, 196,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6537, 43.5420, 54.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 196, 188) }
```

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

```
.background{ background-color: rgb(39, 196,  
188) }
```

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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