

Converting Colors

XYZ(29.8007, 43.5954, 59.2777)

Have a look what the booklet for
XYZ(29.8007, 43.5954, 59.2777)
contains.

XYZ(29.7037, 43.4654, 59.0487)	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(29.7037, 43.4654,
59.0487)**

Conversions

Conversions Part 1

Format	Color
Hex	00C4C4
RGB	0, 196, 196
RGB Percent	0%, 77%, 77%
CMY	0.9999, 0.2314, 0.2314
CMYK	1.00, 0.00, 0.00, 0.23
HSL	180°, 100%, 38%
HSV	180°, 100%, 77%
XYZ	29.7037, 43.4654, 59.0487
YIQ	137.3960, -116.8160, -41.5520

Conversions

Conversions Part 2

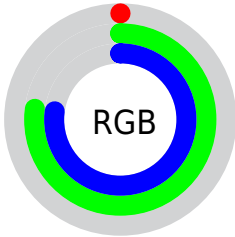
Format	Color
RYB	0, 98, 196
Decimal	50372
CIELab	71.87, -39.44, -11.60
CIELCh	72, 41.111, 196.386
Yxy	43.4654, 0.2247, 0.3287
Android (android.graphics.Color)	4278240452 (0xFF00C4C4)
YUV	137.3960, 28.8918, -120.4963
Hunter-Lab	65.9283, -34.9521, -6.9533

Details

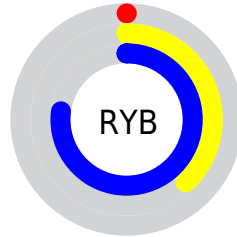
The XYZ color **29.7037, 43.4654, 59.0487** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **22.7663, 11.7370, 1.0667**, and the grayscale version is **23.8581, 25.1006, 27.3345**.

A 20% lighter version of the original color is **58.5638, 80.2855, 105.3385**, and **14.4074, 21.0027, 28.8858** is the 20% darker color. If you saturate the color by 10%, you get **29.7046, 43.4668, 59.0497**, and if you desaturate by 10%, it is **29.9857, 43.6117, 59.0630**.

Distribution



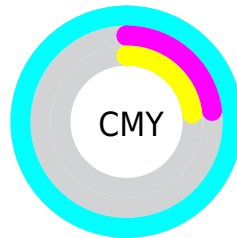
- Red (0%)
- Green (77%)
- Blue (77%)



- Red (0%)
- Yellow (38%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7037, 43.4654, 59.0487 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 29.7037, 43.4654, 59.0487 by changing the saturation by 10% instead.

■ 29.7037, 43.4654,
59.0487

■ 29.7037, 43.4654,
59.0487

292.4556,
360.5222, 438.7893

■ 19.7607, 30.2504,
42.2321

■ 58.5831, 80.4127,
104.9783

■ 12.3285, 20.0288,
28.9561

■ 78.2503, 104.9138,
134.9283

■ 7.0416, 12.4160,
18.8023

■ 101.8896,
133.9458, 170.0931

■ 3.5347, 7.0276,
11.3522

■ 129.8664,
167.8930, 210.8914

■ 1.4424, 3.4794,
6.1871

■ 162.5461,
207.1399, 257.7416

■ 0.2861, 1.3868,
2.8886

200.2939,

■ 0.0000, 0.2070,

252.0708, 311.0623

1.0380

243.4753,
303.0701, 371.2720

■ 0.0000, 0.0000,
0.0000

■ 29.7037, 43.4654,
59.0487

■ 29.7037, 43.4654,
59.0487

■ 29.7046, 43.4668,
59.0497

■ 29.9857, 43.6117,
59.0630

■ 30.5503, 43.9028,
59.0895

■ 31.4986, 44.3916,
59.1340

■ 32.8825, 45.1051,
59.1988

■ 34.7458, 46.0656,
59.2861

■ 37.1269, 47.2931,
59.3976

■ 40.0604, 48.8054,
59.5350

■ 43.5780, 50.6188,
59.6997

■ 47.7087, 52.7483,
59.8931

Harmonies

Analogous

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



29.5687, 43.4654, 38.8249



29.7037, 43.4654, 59.0487



32.7105, 43.4654, 81.0595

Triad

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



29.7037, 43.4654, 59.0487



51.8378, 43.4654, 79.1872



44.5606, 43.4654, 18.8889

Complementary

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



29.7037, 43.4654, 59.0487



22.7663, 11.7370, 1.0667

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.



51.3042, 43.4654, 24.5538



29.7037, 43.4654, 59.0487



55.8150, 43.4654, 56.9863

Square

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



29.7037, 43.4654, 59.0487



45.2251, 43.4654, 94.7465



55.6094, 43.4654, 37.2683



37.6325, 43.4654, 19.1517

Rectangle

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



29.7037, 43.4654, 59.0487



36.1548, 43.4654, 92.1323



55.6094, 43.4654, 37.2683



46.9389, 43.4654, 20.0749

Sweetspot

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



29.7050, 43.4670, 59.0497



72.2849, 88.2642, 107.8341



19.7821, 39.5026, 6.5832



14.9625, 18.6295, 23.0571



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.



29.7050, 43.4670, 59.0497



53.8097, 78.7399, 106.9683



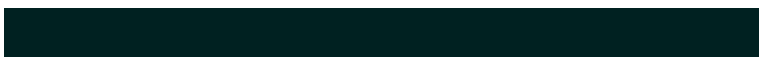
14.6461, 13.3489, 54.0310



10.3686, 11.4285, 12.9442



19.0859, 27.9284, 37.9408



0.8246, 1.2067, 1.6393

Inverse Universe

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



22.7663, 11.7370, 1.0667



41.2400, 21.2600, 1.9301



26.8360, 19.8764, 2.4232



10.0732, 10.0779, 10.4762



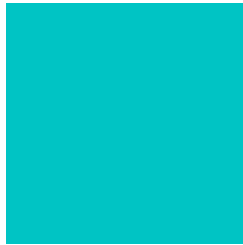
14.6275, 7.5408, 0.6846



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 29.7037, 43.4654, 59.0487 looks on a white background.

Color Contrast Check

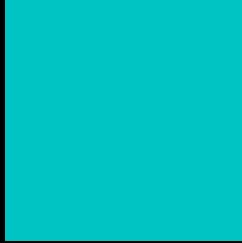
Large Text (above 18pt) WCAG AA × Fail

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 29.7037, 43.4654, 59.0487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

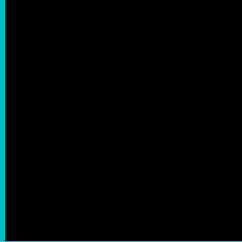
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

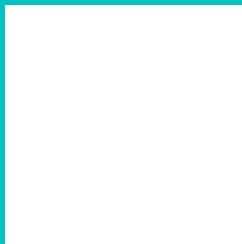
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7037, 43.4654, 59.0487

Background



This preview shows how black text looks on a background with the XYZ color 29.7037, 43.4654, 59.0487.

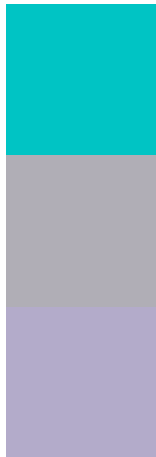


This preview shows how white text looks on a background with the XYZ color 29.7037, 43.4654,

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

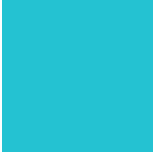
29.7037, 43.4654, 59.0487

Protanopia

41.4840, 42.8796, 50.3461

Deuteranopia

43.8140, 42.9738, 61.8626



Tritanopia

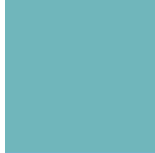
31.6522, 43.6118, 67.7224

Trichromacy



Original Color

29.7037, 43.4654, 59.0487



Protanomaly

32.3797, 40.4885, 53.1222



Deuteranomaly

33.6860, 40.3901, 60.6642



Tritanomaly

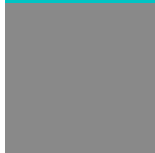
30.8879, 43.6201, 64.5492

Monochromacy



Original Color

29.7037, 43.4654, 59.0487



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.3289, 28.9486, 36.7585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7037, 43.4654, 59.0487 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(0, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 196)  
}
```

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(0, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.7037, 43.4654, 59.0487 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(0, 196, 196) }
```


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

```
.border{ border-color:rgb(0, 196, 196) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7037, 43.4654, 59.0487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 196) }
```

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

```
.background{ background-color: rgb(0, 196,  
196) }
```

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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