

Converting Colors

XYZ(29.8933, 43.6590, 55.6688)

Have a look what the booklet for
XYZ(29.8933, 43.6590, 55.6688)
contains.

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Color

**XYZ(29.8709, 43.6289,
55.5621)**

Conversions

Conversions Part 1

Format	Color
Hex	27C4BE
RGB	39, 196, 190
RGB Percent	15%, 77%, 75%
CMY	0.8470, 0.2314, 0.2549
CMYK	0.80, 0.00, 0.03, 0.23
HSL	178°, 67%, 46%
HSV	178°, 80%, 77%
XYZ	29.8709, 43.6289, 55.5621
YIQ	148.3730, -91.6460, -35.1500

Conversions

Conversions Part 2

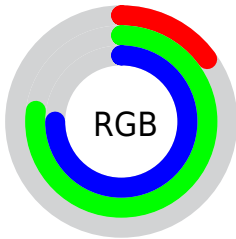
Format	Color
RYB	39, 119, 196
Decimal	2606270
CIELab	71.98, -39.28, -8.13
CIElCh	72, 40.113, 191.697
Yxy	43.6289, 0.2314, 0.3380
Android (android.graphics.Color)	4280796350 (0xFF27C4BE)
YUV	148.3730, 20.5221, -95.9201
Hunter-Lab	66.0522, -34.8679, -3.6373

Details

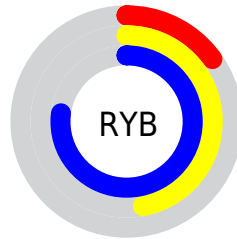
The XYZ color **29.8709, 43.6289, 55.5621** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **23.9656, 13.3776, 3.8031**, and the grayscale version is **28.2505, 29.7217, 32.3670**.

A 20% lighter version of the original color is **58.6993, 80.4818, 99.6295**, and **14.0402, 20.8559, 26.9525** is the 20% darker color. If you saturate the color by 10%, you get **29.2300, 43.3089, 55.1066**, and if you desaturate by 10%, it is **30.8979, 44.1498, 56.0398**.

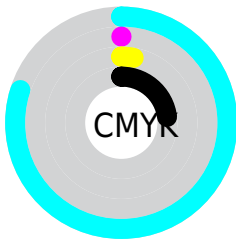
Distribution



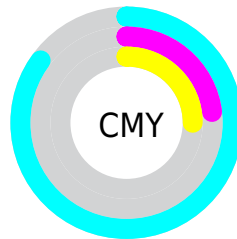
- Red (15%)
- Green (77%)
- Blue (75%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)



- Cyan (85%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8709, 43.6289, 55.5621 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 29.8709, 43.6289, 55.5621 by changing the saturation by 10% instead.

■ 29.8709, 43.6289,
55.5621

■ 29.8709, 43.6289,
55.5621

293.2229,
361.1918, 425.3810

■ 19.8882, 30.3789,
39.4503

■ 58.8460, 80.6590,
99.8434

■ 12.4216, 20.1263,
26.7997

■ 78.5691, 105.2079,
128.8500

■ 7.1057, 12.4869,
17.1917

■ 102.2697,
134.2919, 162.9920

■ 3.5752, 7.0762,
10.2079

■ 130.3132,
168.2954, 202.6879

■ 1.4648, 3.5098,
5.4296

■ 163.0649,
207.6027, 248.3561

■ 0.3017, 1.4033,
2.4384

200.8901,

■ 0.0000, 0.2192,

252.5982, 300.4154

0.8072

244.1544,
303.6665, 359.2842

■ 0.0000, 0.0000,
0.0000

■ 29.8709, 43.6289,
55.5621

■ 29.8709, 43.6289,
55.5621

■ 29.2300, 43.3089,
55.1066

■ 30.8979, 44.1498,
56.0398

■ 28.8728, 43.1341,
54.6697

■ 32.3591, 44.8936,
56.5390

■ 34.2996, 45.8843,
57.0629

■ 36.7579, 47.1420,
57.6132

■ 39.7688, 48.6845,
58.1916

■ 43.3637, 50.5280,
58.7996

■ 47.5719, 52.6877,
59.4384

■ 52.4208, 55.1775,
60.1095

■ 57.9359, 58.0108,
60.8139

Harmonies

Analogous

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



30.1873, 43.6289, 36.6253



29.8709, 43.6289, 55.5621



32.3982, 43.6289, 77.2416

Triad

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



29.8709, 43.6289, 55.5621



50.8516, 43.6289, 81.5653



45.7391, 43.6289, 19.9559

Complementary

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



29.8709, 43.6289, 55.5621



23.9656, 13.3776, 3.8031

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.



52.0898, 43.6289, 26.5868



29.8709, 43.6289, 55.5621



55.2579, 43.6289, 60.3492

Square

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



29.8709, 43.6289, 55.5621



44.1935, 43.6289, 94.7890



55.7344, 43.6289, 40.2661



38.8569, 43.6289, 19.3321

Rectangle

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



29.8709, 43.6289, 55.5621



35.5366, 43.6289, 89.0106



55.7344, 43.6289, 40.2661



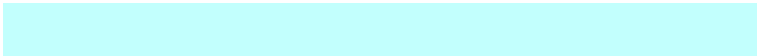
48.0251, 43.6289, 21.4493

Sweetspot

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



29.8722, 43.6305, 55.5631



75.6324, 90.0331, 106.0370



21.2730, 40.2288, 8.5643



15.6933, 19.0169, 22.6114



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.



29.8722, 43.6305, 55.5631



52.4673, 78.2177, 99.2329



18.1803, 19.1751, 54.9693



10.3514, 11.4216, 12.8536



18.5590, 27.7177, 35.1663



0.8071, 1.1997, 1.5472

Inverse Universe

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



23.9656, 13.3776, 3.8031



41.4731, 21.5304, 2.6113



28.6713, 22.9610, 4.8413



10.0885, 10.0840, 10.5563



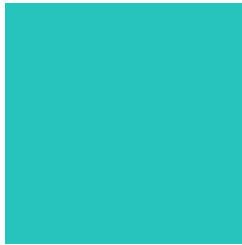
14.6611, 7.5542, 0.8617



0.6390, 0.3286, 0.0661

Previews

White Background



This preview shows how the XYZ color 29.8709, 43.6289, 55.5621 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 29.8709, 43.6289, 55.5621 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

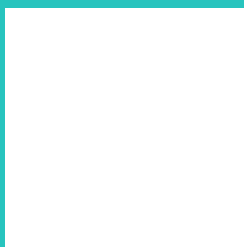
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8709, 43.6289, 55.5621

Background



This preview shows how black text looks on a background with the XYZ color 29.8709, 43.6289, 55.5621.

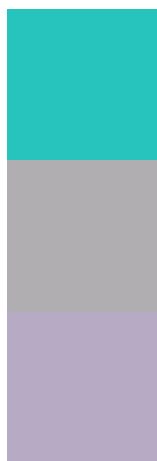


This preview shows how white text looks on a background with the XYZ color 29.8709, 43.6289,

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

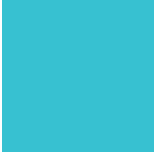
29.8709, 43.6289, 55.5621

Protanopia

41.2033, 42.7935, 47.6833

Deuteranopia

43.6299, 42.6801, 58.1631



Tritanopia

32.1541, 43.5556, 67.0340

Trichromacy



Original Color

29.8709, 43.6289, 55.5621



Protanomaly

33.9238, 41.3453, 50.4484



Deuteranomaly

35.0636, 40.8811, 57.0817



Tritanomaly

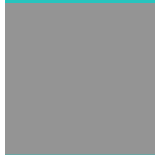
31.2191, 43.5008, 62.6282

Monochromacy



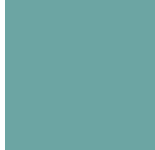
Original Color

29.8709, 43.6289, 55.5621



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 29.8709, 43.6289, 55.5621 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(39, 196, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 196, 190) }
```

Border

The CSS property to change the border of an element to XYZ 29.8709, 43.6289, 55.5621 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, 190) }
```


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

```
.border{ border-color:rgb(39, 196, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 196, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 196, 190);  
box-shadow:4px 4px 4px 4px rgb(39, 196,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8709, 43.6289, 55.5621 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, 190) }
```

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

```
.background{ background-color: rgb(39, 196,  
190) }
```

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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