

Converting Colors

XYZ(26.0209, 39.5534, 46.0055)

Have a look what the booklet for
XYZ(26.0209, 39.5534, 46.0055)
contains.

XYZ(25.9899, 39.5409, 45.7975)	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(25.9899, 39.5409,
45.7975)**

Conversions

Conversions Part 1

Format	Color
Hex	12BDAD
RGB	18, 189, 173
RGB Percent	7%, 74%, 68%
CMY	0.9293, 0.2588, 0.3216
CMYK	0.90, 0.00, 0.08, 0.26
HSL	174°, 83%, 41%
HSV	174°, 90%, 74%
XYZ	25.9899, 39.5409, 45.7975
YIQ	136.0470, -96.7800, -41.2280

Conversions

Conversions Part 2

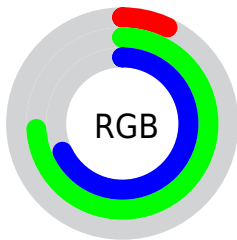
Format	Color
R _{YB}	18, 108, 189
Decimal	1228205
CIE Lab	69.14, -42.46, -3.05
CIE LCh	69, 42.565, 184.116
Yxy	39.5409, 0.2335, 0.3552
Android (android.graphics.Color)	4279418285 (0xFF12BDAD)
YUV	136.0470, 18.2178, -103.5272
Hunter-Lab	62.8816, -36.2660, 0.8354

Details

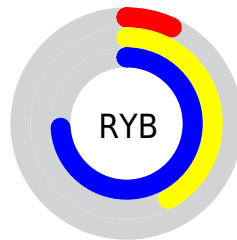
The XYZ color **25.9899, 39.5409, 45.7975** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.4927, 11.3682, 2.5768**, and the grayscale version is **23.3823, 24.6000, 26.7894**.

A 20% lighter version of the original color is **52.6683, 74.4560, 84.9943**, and **12.1152, 18.7084, 21.0617** is the 20% darker color. If you saturate the color by 10%, you get **25.5789, 39.3487, 44.9324**, and if you desaturate by 10%, it is **26.6737, 39.8744, 46.7299**.

Distribution



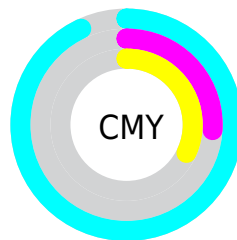
- Red (7%)
- Green (74%)
- Blue (68%)



- Red (7%)
- Yellow (42%)
- Blue (74%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (26%)



- Cyan (93%)
- Magenta (26%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9899, 39.5409, 45.7975 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 25.9899, 39.5409, 45.7975 by changing the saturation by 10% instead.

■ 25.9899, 39.5409,
45.7975

■ 25.9899, 39.5409,
45.7975

274.9901,
344.1847, 386.2478

■ 16.9487, 27.1808,
31.7385

■ 52.6901, 74.4639,
85.2469

■ 10.2930, 17.7090,
20.8987

■ 71.0798, 97.7956,
111.4745

■ 5.6574, 10.7413,
12.8595

■ 93.3164, 125.5532,
142.5954

■ 2.6766, 5.8932,
7.2023

■ 119.7652,
158.1212, 179.0281

■ 0.9851, 2.7802,
3.5085

■ 150.7916,
195.8840, 221.1911

■ 0.0000, 1.0181,
1.3598

186.7610,

■ 0.0000, 0.0000,

239.2259, 269.5030

0.1101

228.0387,
288.5313, 324.3824

■ 0.0000, 0.0000,
0.0000

■ 25.9899, 39.5409,
45.7975

■ 25.9899, 39.5409,
45.7975

■ 25.5789, 39.3487,
44.9324

■ 26.6737, 39.8744,
46.7299

■ 27.7092, 40.3881,
47.6897

■ 29.1452, 41.1079,
48.6802

■ 31.0220, 42.0547,
49.7033

■ 33.3749, 43.2467,
50.7607

■ 36.2357, 44.7003,
51.8539

■ 39.6334, 46.4304,
52.9843

■ 43.5948, 48.4508,
54.1533

■ 48.1451, 50.7745,
55.3620

Harmonies

Analogous

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



27.0023, 39.5409, 28.6859



25.9899, 39.5409, 45.7975



27.7622, 39.5409, 67.6598

Triad

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



25.9899, 39.5409, 45.7975



45.4043, 39.5409, 82.0988



43.5852, 39.5409, 17.3846

Complementary

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



25.9899, 39.5409, 45.7975



21.4927, 11.3682, 2.5768

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.



49.4819, 39.5409, 25.2790



25.9899, 39.5409, 45.7975



50.6179, 39.5409, 61.5600

Square

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



25.9899, 39.5409, 45.7975



38.5288, 39.5409, 92.2534



52.1928, 39.5409, 40.4210



36.6517, 39.5409, 15.4604

Rectangle

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



25.9899, 39.5409, 45.7975



30.4266, 39.5409, 81.0833



52.1928, 39.5409, 40.4210



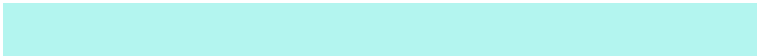
45.7805, 39.5409, 19.2803

Sweetspot

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



25.9911, 39.5424, 45.7984



66.6370, 80.9416, 93.4740



19.0048, 36.7996, 6.6747



13.9104, 17.1926, 19.9546



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.9911, 39.5424, 45.7984



45.7620, 70.4519, 80.2166



16.2257, 17.3835, 50.6459



9.7690, 10.7937, 12.0332



17.2249, 26.4802, 30.3108



0.6861, 1.0418, 1.2471

Inverse Universe

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



21.4927, 11.3682, 2.5768



37.7402, 19.4380, 2.5687



24.4574, 17.5850, 2.6785



9.5655, 9.5505, 10.1008



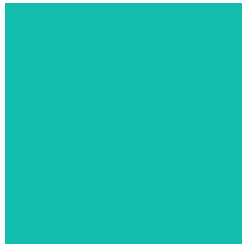
14.2050, 7.3132, 1.1072



0.5688, 0.2914, 0.1085

Previews

White Background



This preview shows how the XYZ color 25.9899, 39.5409, 45.7975 looks on a white background.

Color Contrast Check

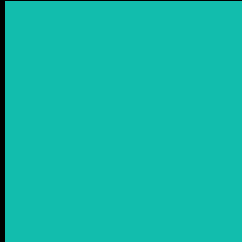
Large Text (above 18pt) WCAG AA × Fail

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 25.9899, 39.5409, 45.7975 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

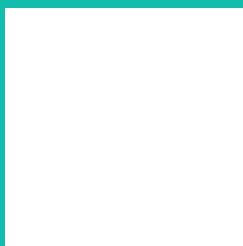
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.9899, 39.5409, 45.7975

Background



This preview shows how black text looks on a background with the XYZ color 25.9899, 39.5409, 45.7975.

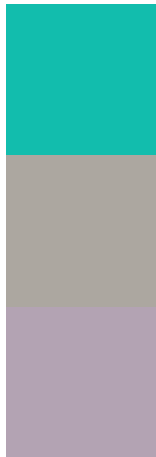


This preview shows how white text looks on a background with the XYZ color 25.9899, 39.5409,

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

25.9899, 39.5409, 45.7975

Protanopia

37.1771, 38.9462, 38.8156

Deuteranopia

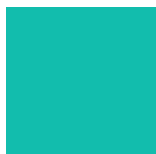
39.8243, 39.0328, 48.0829



Tritanopia

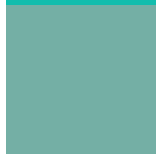
29.0409, 39.5210, 60.7413

Trichromacy



Original Color

25.9899, 39.5409, 45.7975



Protanomaly

29.3240, 37.0896, 41.2108



Deuteranomaly

30.4341, 36.6724, 47.0694



Tritanomaly

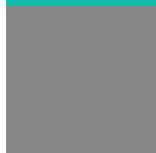
27.6525, 39.2476, 54.8333

Monochromacy



Original Color

25.9899, 39.5409, 45.7975



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.6604, 27.9398, 32.6851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9899, 39.5409, 45.7975 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(18, 189, 173)` looks like.

```
.text, #text, p{  
    color:rgb(18, 189, 173)  
}
```

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(18, 189, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 189, 173) }
```

Border

The CSS property to change the border of an element to XYZ 25.9899, 39.5409, 45.7975 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(18, 189, 173) }
```


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

```
.border{ border-color:rgb(18, 189, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 189, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 189, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 189, 173);  
box-shadow:4px 4px 4px 4px rgb(18, 189,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9899, 39.5409, 45.7975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 189, 173) }
```

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

```
.background{ background-color: rgb(18, 189,  
173) }
```

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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