

Converting Colors

XYZ(24.4066, 35.3552, 44.5718)

Have a look what the booklet for
XYZ(24.4066, 35.3552, 44.5718)
contains.

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Color

**XYZ(24.4055, 35.3548,
44.5676)**

Conversions

Conversions Part 1

Format	Color
Hex	2CB2AC
RGB	44, 178, 172
RGB Percent	17%, 70%, 67%
CMY	0.8274, 0.3020, 0.3255
CMYK	0.75, 0.00, 0.03, 0.30
HSL	177°, 60%, 44%
HSV	177°, 75%, 70%
XYZ	24.4055, 35.3548, 44.5676
YIQ	137.2500, -77.9380, -30.2740

Conversions

Conversions Part 2

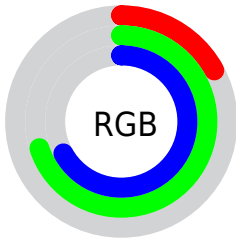
Format	Color
RYB	44, 113, 178
Decimal	2929324
CIELab	66.02, -35.75, -7.08
CIELCh	66, 36.446, 191.195
Yxy	35.3548, 0.2339, 0.3389
Android (android.graphics.Color)	4281119404 (0xFF2CB2AC)
YUV	137.2500, 17.1318, -81.7802
Hunter-Lab	59.4599, -30.7890, -2.8183

Details

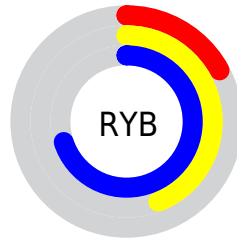
The XYZ color **24.4055, 35.3548, 44.5676** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.8377, 11.4977, 4.1925**, and the grayscale version is **23.8322, 25.0733, 27.3048**.

A 20% lighter version of the original color is **49.9700, 67.8364, 83.1331**, and **10.7238, 16.0233, 20.2969** is the 20% darker color. If you saturate the color by 10%, you get **23.7224, 35.0123, 44.1379**, and if you desaturate by 10%, it is **25.4190, 35.8692, 45.0168**.

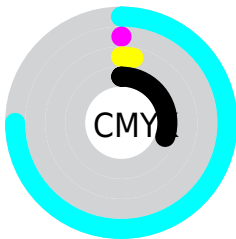
Distribution



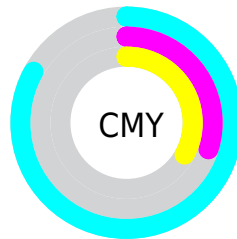
- Red (17%)
- Green (70%)
- Blue (67%)



- Red (17%)
- Yellow (44%)
- Blue (70%)



- Cyan (75%)
- Magenta (0%)
- Yellow (3%)
- Black (30%)





- Cyan (83%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4055, 35.3548, 44.5676 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 24.4055, 35.3548, 44.5676 by changing the saturation by 10% instead.


 24.4055, 35.3548,
44.5676


 24.4055, 35.3548,
44.5676


267.2668,
326.1316, 381.1284


 15.7611, 23.9363,
30.7765


 50.1410, 68.0350,
83.3827


 9.4450, 15.2864,
20.1717


 67.9627, 90.0656,
109.2438


 5.0920, 9.0206,
12.3346


 89.5743, 116.4023,
139.9654

 2.3366, 4.7546,
6.8467

 115.3410,
147.4295, 175.9659

 0.8133, 2.1040,
3.2894

 145.6283,
183.5317, 217.6639

 0.0000, 0.6669,
1.2442

180.8014,

 0.0000, 0.0000,

225.0931, 265.4780

0.0154

221.2258,
272.4983, 319.8266

■ 0.0000, 0.0000,
0.0000

■ 24.4055, 35.3548,
44.5676

■ 24.4055, 35.3548,
44.5676

■ 23.7224, 35.0123,
44.1379

■ 25.4190, 35.8692,
45.0168

■ 23.3204, 34.8138,
43.7229

■ 26.7970, 36.5706,
45.4846

■ 23.1795, 34.7453,
43.5300

■ 28.5729, 37.4772,
45.9735

■ 30.7754, 38.6036,
46.4847

■ 33.4307, 39.9634,
47.0195

■ 36.5627, 41.5688,
47.5791

■ 40.1938, 43.4315,
48.1645

■ 44.3448, 45.5622,
48.7766

■ 49.0354, 47.9710,
49.4164

Harmonies

Analogous

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



24.6951, 35.3548, 29.6766



24.4055, 35.3548, 44.5676



26.3748, 35.3548, 61.6128

Triad

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



24.4055, 35.3548, 44.5676



40.9233, 35.3548, 65.5140



37.0661, 35.3548, 16.6361

Complementary

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



24.4055, 35.3548, 44.5676



19.8377, 11.4977, 4.1925

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.



42.0456, 35.3548, 22.0323



24.4055, 35.3548, 44.5676



44.4322, 35.3548, 48.9081

Square

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



24.4055, 35.3548, 44.5676



35.6619, 35.3548, 75.6940



44.8636, 35.3548, 33.0014



31.6262, 35.3548, 16.0585

Rectangle

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



24.4055, 35.3548, 44.5676



28.8411, 35.3548, 70.9075



44.8636, 35.3548, 33.0014



38.8637, 35.3548, 17.8619

Sweetspot

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



24.4066, 35.3561, 44.5684



61.6220, 72.9809, 85.4514



17.7263, 32.7200, 7.7651



13.2359, 15.9555, 18.8530



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.4066, 35.3561, 44.5684



42.5071, 63.2373, 79.5631



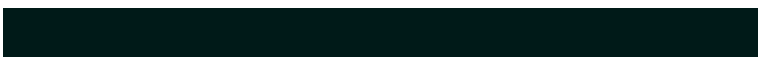
15.5191, 16.6378, 44.5144



8.7259, 9.6248, 10.8161



16.5910, 24.8624, 31.1788



0.5270, 0.7843, 1.0074

Inverse Universe

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



19.8377, 11.4977, 4.1925



33.8738, 17.8925, 3.0749



23.7967, 19.6096, 4.9146



8.5113, 8.5112, 8.9248



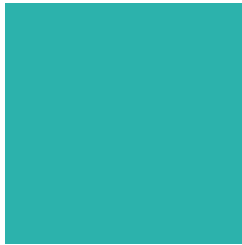
13.1744, 6.7873, 0.8125



0.4196, 0.2156, 0.0523

Previews

White Background



This preview shows how the XYZ color 24.4055, 35.3548, 44.5676 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 24.4055, 35.3548, 44.5676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

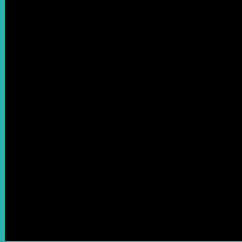
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

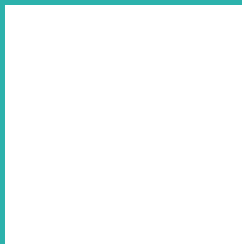
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4055, 35.3548, 44.5676

Background



This preview shows how black text looks on a background with the XYZ color 24.4055, 35.3548, 44.5676.

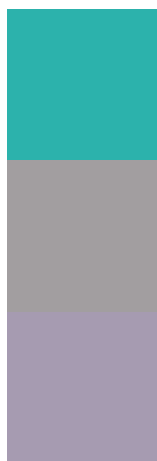


This preview shows how white text looks on a background with the XYZ color 24.4055, 35.3548,

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

24.4055, 35.3548, 44.5676

Protanopia

33.4723, 34.6732, 38.1861

Deuteranopia

35.3830, 34.7240, 46.4325



Tritanopia

26.2551, 35.2184, 54.1292

Trichromacy



Original Color

24.4055, 35.3548, 44.5676



Protanomaly

27.7637, 33.5125, 40.1272



Deuteranomaly

28.8611, 33.4271, 45.4884



Tritanomaly

25.4888, 35.1996, 50.2506

Monochromacy



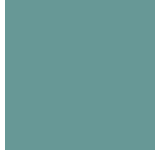
Original Color

24.4055, 35.3548, 44.5676



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.3268, 27.5420, 32.9936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4055, 35.3548, 44.5676 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(44, 178, 172)` looks like.

```
.text, #text, p{  
    color:rgb(44, 178, 172)  
}
```

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(44, 178, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 178, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.4055, 35.3548, 44.5676 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(44, 178, 172) }
```


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

```
.border{ border-color:rgb(44, 178, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 178, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 178, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 178, 172);  
box-shadow:4px 4px 4px 4px rgb(44, 178,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4055, 35.3548, 44.5676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 178, 172) }
```

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

```
.background{ background-color: rgb(44, 178,  
172) }
```

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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