

Converting Colors

XYZ(23.4195, 34.3040, 41.7614)

Have a look what the booklet for
XYZ(23.4195, 34.3040, 41.7614)
contains.

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Color

**XYZ(23.4552, 34.3329,
41.9499)**

Conversions

Conversions Part 1

Format	Color
Hex	2AB0A7
RGB	42, 176, 167
RGB Percent	16%, 69%, 65%
CMY	0.8353, 0.3098, 0.3451
CMYK	0.76, 0.00, 0.05, 0.31
HSL	176°, 61%, 43%
HSV	176°, 76%, 69%
XYZ	23.4552, 34.3329, 41.9499
YIQ	134.9080, -76.9750, -31.2070

Conversions

Conversions Part 2

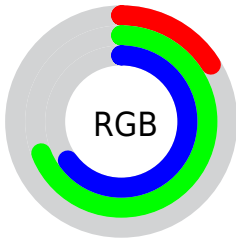
Format	Color
R _Y B	42, 111, 176
Decimal	2797735
CIE Lab	65.23, -36.49, -5.49
CIE LCh	65, 36.902, 188.549
Yxy	34.3329, 0.2352, 0.3442
Android (android.graphics.Color)	4280987815 (0xFF2AB0A7)
YUV	134.9080, 15.8214, -81.4803
Hunter-Lab	58.5943, -31.0867, -1.4320

Details

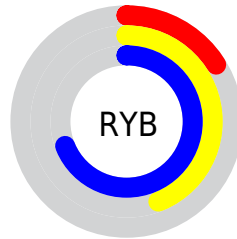
The XYZ color **23.4552, 34.3329, 41.9499** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.3311, 11.1260, 4.2618**, and the grayscale version is **22.9600, 24.1557, 26.3055**.

A 20% lighter version of the original color is **48.5970, 66.3667, 79.3560**, and **10.1775, 15.4037, 18.6565** is the 20% darker color. If you saturate the color by 10%, you get **22.7787, 33.9975, 41.3510**, and if you desaturate by 10%, it is **24.4508, 34.8342, 42.5705**.

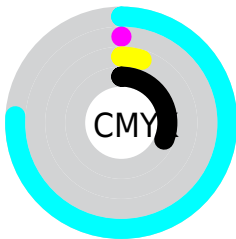
Distribution



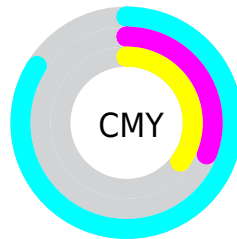
- Red (16%)
- Green (69%)
- Blue (65%)



- Red (16%)
- Yellow (44%)
- Blue (69%)



- Cyan (76%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)





- Cyan (84%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4552, 34.3329, 41.9499 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 23.4552, 34.3329, 41.9499 by changing the saturation by 10% instead.


 23.4552, 34.3329,
41.9499


 23.4552, 34.3329,
41.9499

262.5463,
321.6139, 370.0687


 15.0525, 23.1495,
28.7368

 48.6009, 66.4510,
79.3931


 8.9428, 14.7039,
18.6379


 66.0746, 88.1545,
104.4602


 4.7607, 8.6118,
11.2348


 87.3027, 114.1334,
134.3158

 2.1409, 4.4889,
6.1088

 112.6505,
144.7722, 169.3783

 0.7113, 1.9506,
2.8415

 142.4834,
180.4553, 210.0663

 0.0000, 0.5785,
1.0143

177.1668,

 0.0000, 0.0000,

221.5670, 256.7983

0.0000

217.0660,
268.4917, 309.9930

■ 23.4552, 34.3329,
41.9499

■ 23.4552, 34.3329,
41.9499

■ 22.7787, 33.9975,
41.3510

■ 24.4508, 34.8342,
42.5705

■ 22.3696, 33.7990,
40.7690

■ 25.7992, 35.5165,
43.2121

■ 22.2429, 33.7385,
40.5467

■ 27.5331, 36.3975,
43.8770

■ 29.6807, 37.4916,
44.5665

■ 32.2677, 38.8121,
45.2818

■ 35.3174, 40.3710,
46.0241

■ 38.8519, 42.1797,
46.7944

■ 42.8913, 44.2486,
47.5936

■ 47.4552, 46.5877,
48.4226

Harmonies

Analogous

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



23.9400, 34.3329, 27.5836



23.4552, 34.3329, 41.9499



25.2095, 34.3329, 58.9880

Triad

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



23.4552, 34.3329, 41.9499



39.4943, 34.3329, 65.5839



36.5532, 34.3329, 16.0724

Complementary

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



23.4552, 34.3329, 41.9499



19.3311, 11.1260, 4.2618

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.



41.3857, 34.3329, 21.8254



23.4552, 34.3329, 41.9499



43.2090, 34.3329, 49.2646

Square

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



23.4552, 34.3329, 41.9499



34.1904, 34.3329, 74.8816



43.9367, 34.3329, 33.1596



31.1224, 34.3329, 15.1132

Rectangle

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



23.4552, 34.3329, 41.9499



27.5392, 34.3329, 68.6839



43.9367, 34.3329, 33.1596



38.3178, 34.3329, 17.4152

Sweetspot

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



23.4562, 34.3342, 41.9507



59.9456, 71.1179, 82.4861



17.4213, 31.9806, 7.4459



12.5938, 15.2094, 17.7744



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.4562, 34.3342, 41.9507



40.7861, 61.4019, 74.3094



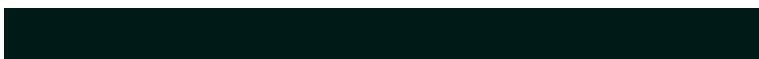
15.5291, 17.1014, 43.5581



8.7175, 9.6215, 10.7721



16.3281, 24.7572, 29.7943



0.5211, 0.7819, 0.9760

Inverse Universe

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



19.3311, 11.1260, 4.2618



33.0335, 17.3836, 3.1800



22.6758, 18.1030, 4.4903



8.5187, 8.5142, 8.9642



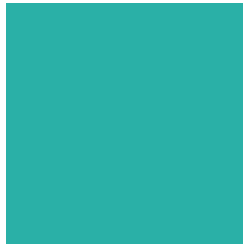
13.1932, 6.7948, 0.9113



0.4227, 0.2168, 0.0688

Previews

White Background



This preview shows how the XYZ color 23.4552, 34.3329, 41.9499 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 23.4552, 34.3329, 41.9499 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

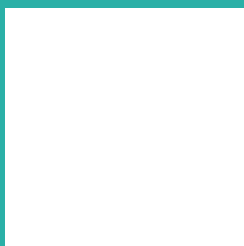
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4552, 34.3329, 41.9499

Background



This preview shows how black text looks on a background with the XYZ color 23.4552, 34.3329, 41.9499.

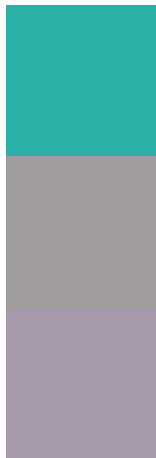


This preview shows how white text looks on a background with the XYZ color 23.4552, 34.3329,

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

23.4552, 34.3329, 41.9499

Protanopia

32.3864, 33.6508, 36.2408

Deuteranopia

34.5635, 33.8680, 43.7452



Tritanopia

25.5441, 34.3157, 52.2910

Trichromacy



Original Color

23.4552, 34.3329, 41.9499



Protanomaly

26.7785, 32.5144, 38.1222



Deuteranomaly

27.8857, 32.4570, 42.8253



Tritanomaly

24.7395, 34.2712, 48.4911

Monochromacy



Original Color

23.4552, 34.3329, 41.9499



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.5396, 26.6860, 31.6194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4552, 34.3329, 41.9499 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(42, 176, 167)` looks like.

```
.text, #text, p{  
    color:rgb(42, 176, 167)  
}
```

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(42, 176, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 176, 167) }
```

Border

The CSS property to change the border of an element to XYZ 23.4552, 34.3329, 41.9499 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(42, 176, 167) }
```


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

```
.border{ border-color:rgb(42, 176, 167) }
```

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

Here you see how a box with a 4 pixel rgb(42, 176, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 176, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 176, 167);  
box-shadow:4px 4px 4px 4px rgb(42, 176,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4552, 34.3329, 41.9499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 176, 167) }
```

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

```
.background{ background-color: rgb(42, 176,  
167) }
```

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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