

Converting Colors

XYZ(23.1291, 33.5562, 43.2614)

Have a look what the booklet for
XYZ(23.1291, 33.5562, 43.2614)
contains.

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Color

**XYZ(23.1193, 33.5495,
43.2874)**

Conversions

Conversions Part 1

Format	Color
Hex	24AEAA
RGB	36, 174, 170
RGB Percent	14%, 68%, 67%
CMY	0.8588, 0.3176, 0.3333
CMYK	0.79, 0.00, 0.02, 0.32
HSL	178°, 66%, 41%
HSV	178°, 79%, 68%
XYZ	23.1193, 33.5495, 43.2874
YIQ	132.2820, -80.9640, -30.5000

Conversions

Conversions Part 2

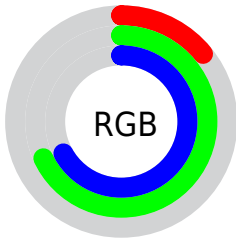
Format	Color
RYB	36, 106, 174
Decimal	2404010
CIELab	64.60, -35.31, -8.09
CIELCh	65, 36.228, 192.903
Yxy	33.5495, 0.2313, 0.3356
Android (android.graphics.Color)	4280594090 (0xFF24AEAA)
YUV	132.2820, 18.5950, -84.4393
Hunter-Lab	57.9219, -30.1158, -3.7645

Details

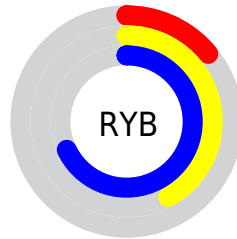
The XYZ color **23.1193, 33.5495, 43.2874** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.4706, 10.4146, 3.0452**, and the grayscale version is **21.9913, 23.1365, 25.1957**.

A 20% lighter version of the original color is **47.9508, 65.1557, 81.2832**, and **10.1074, 14.9828, 19.4988** is the 20% darker color. If you saturate the color by 10%, you get **22.6058, 33.2910, 43.0154**, and if you desaturate by 10%, it is **23.9301, 33.9627, 43.5758**.

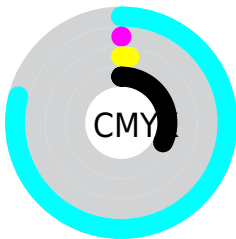
Distribution



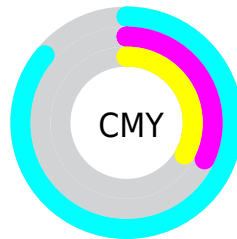
- Red (14%)
- Green (68%)
- Blue (67%)



- Red (14%)
- Yellow (42%)
- Blue (68%)



- Cyan (79%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)



- Cyan (86%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1193, 33.5495, 43.2874 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 23.1193, 33.5495, 43.2874 by changing the saturation by 10% instead.

■ 23.1193, 33.5495,
43.2874

■ 23.1193, 33.5495,
43.2874

260.8611,
318.1186, 375.7483

■ 14.8028, 22.5477,
29.7776

■ 48.0544, 65.2325,
81.4354

■ 8.7665, 14.2599,
19.4192

■ 65.4036, 86.6825,
106.9107

■ 4.6451, 8.3017,
11.7937

■ 86.4945, 112.3840,
137.2115

■ 2.0732, 4.2886,
6.4825

■ 111.6924,
142.7215, 172.7565

■ 0.6746, 1.8363,
3.0672

■ 141.3627,
178.0793, 213.9641

■ 0.0000, 0.5096,
1.1290

175.8706,

■ 0.0000, 0.0000,

218.8418, 261.2529

0.0000

215.5816,
265.3935, 315.0414

■ 23.1193, 33.5495,
43.2874

■ 23.1193, 33.5495,
43.2874

■ 22.6058, 33.2910,
43.0154

■ 23.9301, 33.9627,
43.5758

■ 22.3124, 33.1453,
42.7539

■ 25.0729, 34.5463,
43.8799

■ 22.2940, 33.1362,
42.7359

■ 26.5809, 35.3181,
44.2021

■ 28.4826, 36.2929,
44.5436

■ 30.8034, 37.4837,
44.9057

■ 33.5669, 38.9027,
45.2895

■ 36.7947, 40.5610,
45.6960

■ 40.5071, 42.4692,
46.1262

■ 44.7232, 44.6369,
46.5809

Harmonies

Analogous

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



23.2721, 33.5495, 28.7581



23.1193, 33.5495, 43.2874



25.1248, 33.5495, 59.6330

Triad

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



23.1193, 33.5495, 43.2874



39.1719, 33.5495, 61.7065



34.9113, 33.5495, 15.4626

Complementary

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



23.1193, 33.5495, 43.2874



18.4706, 10.4146, 3.0452

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.



39.7670, 33.5495, 20.3289



23.1193, 33.5495, 43.2874



42.4039, 33.5495, 45.5887

Square

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



23.1193, 33.5495, 43.2874



34.1675, 33.5495, 72.0517



42.6329, 33.5495, 30.5147



29.7118, 33.5495, 15.1595

Rectangle

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



23.1193, 33.5495, 43.2874



27.5565, 33.5495, 68.3207



42.6329, 33.5495, 30.5147



36.6507, 33.5495, 16.5429

Sweetspot

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



23.1203, 33.5508, 43.2882



58.2159, 69.1926, 81.7867



16.3541, 30.8641, 6.7652



12.5613, 15.1848, 18.1244



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.



23.1203, 33.5508, 43.2882



40.6090, 60.1887, 77.6730



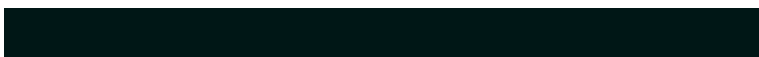
13.9017, 14.4984, 42.1116



8.2261, 9.0680, 10.2159



16.1734, 24.0346, 31.0164



0.4530, 0.6698, 0.8789

Inverse Universe

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



18.4706, 10.4146, 3.0452



31.8924, 16.6125, 2.0809



22.3710, 18.3189, 4.0267



8.0143, 8.0190, 8.3862



12.6846, 6.5364, 0.7184



0.3559, 0.1830, 0.0357

Previews

White Background



This preview shows how the XYZ color 23.1193, 33.5495, 43.2874 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 23.1193, 33.5495, 43.2874 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

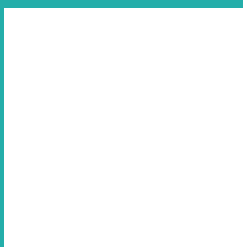
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1193, 33.5495, 43.2874

Background



This preview shows how black text looks on a background with the XYZ color 23.1193, 33.5495, 43.2874.

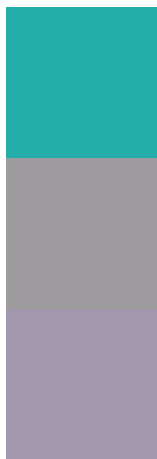


This preview shows how white text looks on a background with the XYZ color 23.1193, 33.5495,

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

23.1193, 33.5495, 43.2874

Protanopia

31.7975, 33.0794, 37.0568

Deuteranopia

33.7048, 32.9097, 45.1332



Tritanopia

24.8821, 33.7032, 51.6483

Trichromacy



Original Color

23.1193, 33.5495, 43.2874



Protanomaly

26.2520, 31.9600, 38.9677



Deuteranomaly

27.1434, 31.5264, 44.1898



Tritanomaly

24.2205, 33.7179, 48.4117

Monochromacy



Original Color

23.1193, 33.5495, 43.2874



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.5518, 25.4841, 31.0299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1193, 33.5495, 43.2874 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(36, 174, 170)` looks like.

```
.text, #text, p{  
    color:rgb(36, 174, 170)  
}
```

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(36, 174, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 174, 170) }
```

Border

The CSS property to change the border of an element to XYZ 23.1193, 33.5495, 43.2874 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(36, 174, 170) }
```


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

```
.border{ border-color:rgb(36, 174, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 174, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(36, 174, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(36, 174, 170); box-shadow:4px 4px 4px 4px rgb(36, 174, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1193, 33.5495, 43.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 174, 170) }
```

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

```
.background{ background-color: rgb(36, 174,  
170) }
```

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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