

Converting Colors

XYZ(24.4621, 33.8337, 54.6759)

Have a look what the booklet for
XYZ(24.4621, 33.8337, 54.6759)
contains.

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Color

**XYZ(24.3475, 33.6487,
54.5018)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADBF
RGB	0, 173, 191
RGB Percent	0%, 68%, 75%
CMY	0.9999, 0.3216, 0.2510
CMYK	1.00, 0.09, 0.00, 0.25
HSL	186°, 100%, 37%
HSV	186°, 100%, 75%
XYZ	24.3475, 33.6487, 54.5018
YIQ	123.3250, -108.8860, -31.0780

Conversions

Conversions Part 2

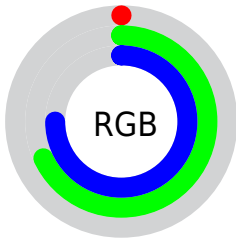
Format	Color
RYB	0, 91, 191
Decimal	44479
CIELab	64.68, -30.22, -19.69
CIElCh	65, 36.071, 213.084
Yxy	33.6487, 0.2164, 0.2991
Android (android.graphics.Color)	4278234559 (0xFF00ADBf)
YUV	123.3250, 33.3638, -108.1560
Hunter-Lab	58.0075, -26.5913, -15.1015

Details

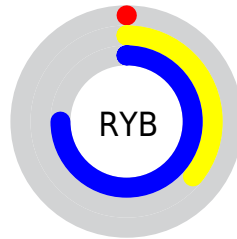
The XYZ color **24.3475, 33.6487, 54.5018** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.7032, 11.5104, 1.0789**, and the grayscale version is **18.8571, 19.8391, 21.6048**.

A 20% lighter version of the original color is **50.0633, 65.4633, 97.9928**, and **11.3039, 15.2679, 26.3960** is the 20% darker color. If you saturate the color by 10%, you get **24.3474, 33.6483, 54.5024**, and if you desaturate by 10%, it is **24.9669, 34.4846, 54.6311**.

Distribution



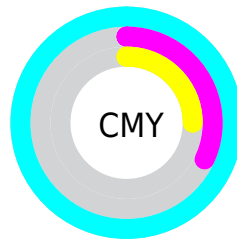
- Red (0%)
- Green (68%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (32%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3475, 33.6487, 54.5018 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 24.3475, 33.6487, 54.5018 by changing the saturation by 10% instead.

■ 24.3475, 33.6487,
54.5018

■ 24.3475, 33.6487,
54.5018

266.9806,
318.5628, 421.2492

■ 15.7177, 22.6239,
38.6071

■ 50.0472, 65.3870,
98.2744

■ 9.4142, 14.3160,
26.1487

■ 67.8479, 86.8692,
126.9895

■ 5.0716, 8.3408,
16.7082

■ 89.4363, 112.6061,
160.8150

■ 2.3245, 4.3138,
9.8669

■ 115.1776,
142.9819, 200.1696

■ 0.8072, 1.8506,
5.2063

■ 145.4374,
178.3810, 245.4717

■ 0.0000, 0.5184,
2.3080

180.5809,

■ 0.0000, 0.0000,

219.1880, 297.1401

0.7357

220.9736,
265.7871, 355.5930

■ 0.0000, 0.0000,
0.0000

■ 24.3475, 33.6487,
54.5018

■ 24.3475, 33.6487,
54.5018

■ 24.3474, 33.6483,
54.5024

■ 24.9669, 34.4846,
54.6311

■ 25.8560, 35.4658,
54.7737

■ 27.1114, 36.6429,
54.9347

■ 28.7818, 38.0408,
55.1165

■ 30.9081, 39.6808,
55.3210

■ 33.5265, 41.5814,
55.5498

■ 36.6695, 43.7596,
55.8046

■ 40.3666, 46.2306,
56.0867

■ 44.6454, 49.0085,
56.3974

Harmonies

Analogous

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



23.0385, 33.6487, 38.1928



24.3475, 33.6487, 54.5018



27.6854, 33.6487, 68.3802

Triad

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



24.3475, 33.6487, 54.5018



41.7018, 33.6487, 51.1131



31.4496, 33.6487, 14.9110

Complementary

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



24.3475, 33.6487, 54.5018



21.7032, 11.5104, 1.0789

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.



36.7018, 33.6487, 16.6472



24.3475, 33.6487, 54.5018



42.9841, 33.6487, 35.1254

Square

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



24.3475, 33.6487, 54.5018



37.7279, 33.6487, 66.0817



41.0659, 33.6487, 23.1780



26.8515, 33.6487, 17.5702

Rectangle

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



24.3475, 33.6487, 54.5018



30.7987, 33.6487, 72.8396



41.0659, 33.6487, 23.1780



33.1954, 33.6487, 15.0024

Sweetspot

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



24.3486, 33.6499, 54.5026



65.3732, 78.1678, 99.9215



18.7247, 37.2996, 6.7009



13.8063, 16.7879, 21.8980



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.3486, 33.6499, 54.5026



43.5081, 60.0681, 97.5803



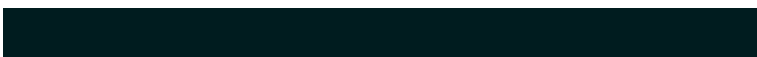
12.2444, 9.4416, 50.4679



9.7296, 10.6516, 12.2154



16.0325, 22.1767, 35.8284



0.6506, 0.9139, 1.4110

Inverse Universe

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



29.0296, 14.0945, 40.7268



51.9409, 25.2217, 72.6778



27.2181, 22.5402, 2.9172



9.8901, 9.6804, 11.8105



19.0932, 9.2684, 26.8483



0.7593, 0.3676, 1.1118

Previews

White Background



This preview shows how the XYZ color 24.3475, 33.6487, 54.5018 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 24.3475, 33.6487, 54.5018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

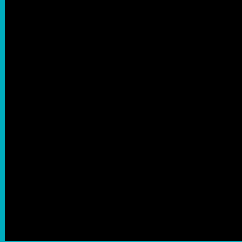
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.3475, 33.6487, 54.5018

Background



This preview shows how black text looks on a background with the XYZ color 24.3475, 33.6487, 54.5018.

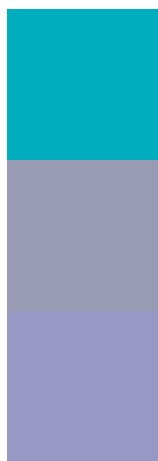


This preview shows how white text looks on a background with the XYZ color 24.3475, 33.6487,

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

24.3475, 33.6487, 54.5018

Protanopia

32.8069, 33.3728, 47.3603

Deuteranopia

34.1175, 33.3473, 56.8630



Tritanopia

23.9132, 33.4750, 52.2147

Trichromacy



Original Color

24.3475, 33.6487, 54.5018

Protanomaly

26.3973, 31.8009, 49.5467

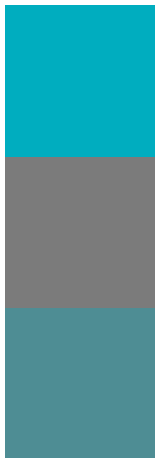
Deuteranomaly

27.1323, 31.5234, 55.6935

Tritanomaly

24.0207, 33.5180, 52.7805

Monochromacy



Original Color

24.3475, 33.6487, 54.5018

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.0121, 22.8076, 31.4699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3475, 33.6487, 54.5018 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(0, 173, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 191)  
}
```

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(0, 173, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 191) }
```

Border

The CSS property to change the border of an element to XYZ 24.3475, 33.6487, 54.5018 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(0, 173, 191) }
```


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

```
.border{ border-color:rgb(0, 173, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3475, 33.6487, 54.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 191) }
```

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

```
.background{ background-color: rgb(0, 173,  
191) }
```

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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