

Converting Colors

XYZ(24.2196, 33.3276, 54.6604)

Have a look what the booklet for
XYZ(24.2196, 33.3276, 54.6604)
contains.

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Color

**XYZ(24.1565, 33.2666,
54.4381)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACBF
RGB	0, 172, 191
RGB Percent	0%, 67%, 75%
CMY	0.9998, 0.3255, 0.2510
CMYK	1.00, 0.10, 0.00, 0.25
HSL	186°, 100%, 37%
HSV	186°, 100%, 75%
XYZ	24.1565, 33.2666, 54.4381
YIQ	122.7380, -108.6110, -30.5550

Conversions

Conversions Part 2

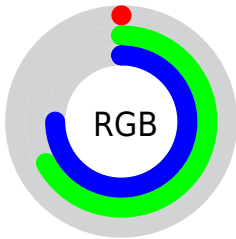
Format	Color
RYB	0, 91, 191
Decimal	44223
CIELab	64.38, -29.73, -20.16
CIELCh	64, 35.923, 214.134
Yxy	33.2666, 0.2160, 0.2974
Android (android.graphics.Color)	4278234303 (0xFF00ACBF)
YUV	122.7380, 33.6532, -107.6412
Hunter-Lab	57.6772, -26.1753, -15.5863

Details

The XYZ color **24.1565, 33.2666, 54.4381** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.7199, 11.5438, 1.0846**, and the grayscale version is **18.6634, 19.6354, 21.3829**.

A 20% lighter version of the original color is **49.7874, 64.9115, 97.9008**, and **11.1843, 15.0286, 26.3561** is the 20% darker color. If you saturate the color by 10%, you get **24.1562, 33.2659, 54.4386**, and if you desaturate by 10%, it is **24.7927, 34.1360, 54.5730**.

Distribution



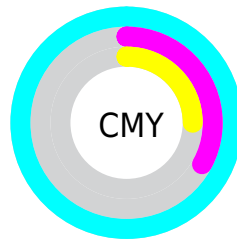
- Red (0%)
- Green (67%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (33%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1565, 33.2666, 54.4381 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 24.1565, 33.2666, 54.4381 by changing the saturation by 10% instead.

■ 24.1565, 33.2666,
54.4381

■ 24.1565, 33.2666,
54.4381

266.0366,
316.8493, 421.0002

■ 15.5751, 22.3308,
38.5565

■ 49.7383, 64.7915,
98.1801

■ 9.3129, 14.1001,
26.1097

■ 67.4694, 86.1494,
126.8775

■ 5.0046, 8.1903,
16.6792

■ 88.9811, 111.7501,
160.6839

■ 2.2847, 4.2170,
9.8465

■ 114.6388,
141.9780, 200.0179

■ 0.7868, 1.7957,
5.1930

■ 144.8079,
177.2174, 245.2980

■ 0.0000, 0.4845,
2.3003

179.8536,

■ 0.0000, 0.0000,

217.8529, 296.9427

0.7314

220.1414,
264.2687, 355.3706

■ 0.0000, 0.0000,
0.0000

■ 24.1565, 33.2666,
54.4381

■ 24.1565, 33.2666,
54.4381

■ 24.1562, 33.2659,
54.4386

■ 24.7927, 34.1360,
54.5730

■ 25.6991, 35.1517,
54.7213

■ 26.9725, 36.3644,
54.8883

■ 28.6612, 37.7990,
55.0762

■ 30.8065, 39.4767,
55.2869

■ 33.4445, 41.4163,
55.5223

■ 36.6075, 43.6343,
55.7837

■ 40.3252, 46.1463,
56.0726

■ 44.6252, 48.9663,
56.3903

Harmonies

Analogous

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



22.7885, 33.2666, 38.2904



24.1565, 33.2666, 54.4381



27.5191, 33.2666, 67.9394

Triad

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



24.1565, 33.2666, 54.4381



41.3204, 33.2666, 49.9528



30.9152, 33.2666, 14.7646

Complementary

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



24.1565, 33.2666, 54.4381



21.7199, 11.5438, 1.0846

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.



36.1069, 33.2666, 16.3279



24.1565, 33.2666, 54.4381



42.4783, 33.2666, 34.2289

Square

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



24.1565, 33.2666, 54.4381



37.4652, 33.2666, 64.8978



40.4787, 33.2666, 22.6034



26.4148, 33.2666, 17.5510

Rectangle

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



24.1565, 33.2666, 54.4381



30.6243, 33.2666, 72.0888



40.4787, 33.2666, 22.6034



32.6348, 33.2666, 14.8055

Sweetspot

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



24.1576, 33.2678, 54.4389



65.2587, 77.9387, 99.8833



18.7248, 37.2996, 6.7011



13.7777, 16.7309, 21.8885



92.9021, 97.7402, 106.4391



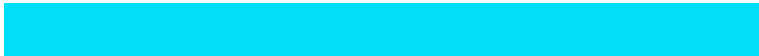
19.4759, 20.4902, 22.3138

Same Dimension

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



24.1576, 33.2678, 54.4389



43.1610, 59.3739, 97.4646



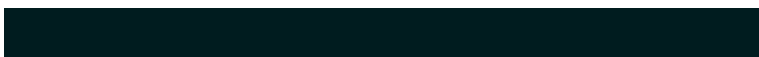
12.2447, 9.4421, 50.4680



9.7253, 10.6429, 12.2139



15.9084, 21.9284, 35.7871



0.6469, 0.9064, 1.4097

Inverse Universe

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



28.9332, 14.0561, 40.2190



51.7657, 25.1516, 71.7552



27.2184, 22.5407, 2.9174



9.8879, 9.6795, 11.7989



19.0306, 9.2434, 26.5183



0.7574, 0.3669, 1.1018

Previews

White Background



This preview shows how the XYZ color 24.1565, 33.2666, 54.4381 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 24.1565, 33.2666, 54.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

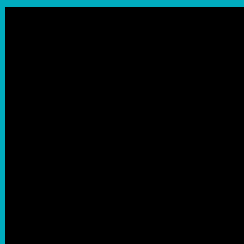
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

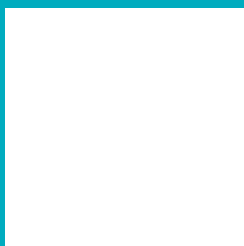
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1565, 33.2666, 54.4381

Background



This preview shows how black text looks on a background with the XYZ color 24.1565, 33.2666, 54.4381.

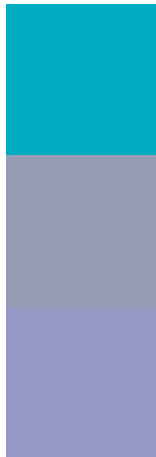


This preview shows how white text looks on a background with the XYZ color 24.1565, 33.2666,

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

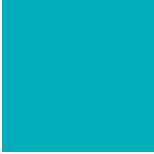
24.1565, 33.2666, 54.4381

Protanopia

32.4548, 32.9452, 47.2963

Deuteranopia

33.4730, 32.7862, 56.1939



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

24.1565, 33.2666, 54.4381

Protanomaly

26.1160, 31.3954, 49.4832

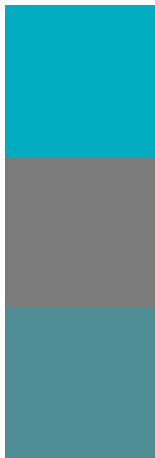
Deuteranomaly

26.8551, 31.1242, 55.6311

Tritanomaly

24.0207, 33.5180, 52.7805

Monochromacy



Original Color

24.1565, 33.2666, 54.4381

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 24.1565, 33.2666, 54.4381 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, 172, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 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, 172, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 191) }
```

Border

The CSS property to change the border of an element to XYZ 24.1565, 33.2666, 54.4381 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, 172, 191) }
```


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

```
.border{ border-color:rgb(0, 172, 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, 172, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1565, 33.2666, 54.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 191) }
```

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

```
.background{ background-color: rgb(0, 172,  
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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