

Converting Colors

XYZ(24.8764, 34.1720, 56.3260)

Have a look what the booklet for
XYZ(24.8764, 34.1720, 56.3260)
contains.

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Color

**XYZ(24.8737, 34.1671,
56.3229)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEC2
RGB	0, 174, 194
RGB Percent	0%, 68%, 76%
CMY	0.9998, 0.3176, 0.2392
CMYK	1.00, 0.10, 0.00, 0.24
HSL	186°, 100%, 38%
HSV	186°, 100%, 76%
XYZ	24.8737, 34.1671, 56.3229
YIQ	124.2540, -110.1240, -30.6680

Conversions

Conversions Part 2

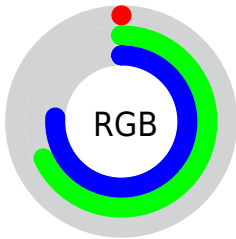
Format	Color
RYB	0, 92, 194
Decimal	44738
CIELab	65.09, -29.73, -20.73
CIElCh	65, 36.242, 214.887
Yxy	34.1671, 0.2156, 0.2962
Android (android.graphics.Color)	4278234818 (0xFF00AEC2)
YUV	124.2540, 34.3848, -108.9708
Hunter-Lab	58.4526, -26.3339, -16.2129

Details

The XYZ color **24.8737, 34.1671, 56.3229** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **22.4997, 11.9716, 1.1262**, and the grayscale version is **19.1632, 20.1611, 21.9555**.

A 20% lighter version of the original color is **50.9649, 66.2680, 101.3717**, and **11.5710, 15.5682, 27.2060** is the 20% darker color. If you saturate the color by 10%, you get **24.8733, 34.1661, 56.3234**, and if you desaturate by 10%, it is **25.5409, 35.0897, 56.4665**.

Distribution



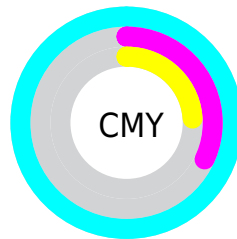
- Red (0%)
- Green (68%)
- Blue (76%)



- Red (0%)
- Yellow (36%)
- Blue (76%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8737, 34.1671, 56.3229 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 24.8737, 34.1671, 56.3229 by changing the saturation by 10% instead.

■ 24.8737, 34.1671,
56.3229

■ 24.8737, 34.1671,
56.3229

269.5676,
320.8765, 428.3297

■ 16.1112, 23.0220,
40.0561

■ 50.8966, 66.1934,
100.9670

■ 9.6942, 14.6098,
27.2682

■ 68.8878, 87.8435,
130.1815

■ 5.2574, 8.5460,
17.5405

■ 90.6858, 113.7639,
164.5489

■ 2.4354, 4.4462,
10.4546

■ 116.6562,
144.3392, 204.4879

■ 0.8628, 1.9262,
5.5919

■ 147.1642,
179.9537, 250.4169

■ 0.0000, 0.5640,
2.5338

182.5752,

■ 0.0000, 0.0000,

220.9918, 302.7545

0.8580

223.2546,
267.8380, 361.9193

■ 0.0000, 0.0000,
0.0000

■ 24.8737, 34.1671,
56.3229

■ 24.8737, 34.1671,
56.3229

■ 24.8733, 34.1661,
56.3234

■ 25.5409, 35.0897,
56.4665

■ 26.4897, 36.1654,
56.6241

■ 27.8190, 37.4459,
56.8012

■ 29.5796, 38.9574,
57.0002

■ 31.8140, 40.7218,
57.2230

■ 34.5598, 42.7586,
57.4714

■ 37.8508, 45.0852,
57.7470

■ 41.7177, 47.7175,
58.0513

■ 46.1891, 50.6702,
58.3855

Harmonies

Analogous

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



23.4142, 34.1671, 39.7216



24.8737, 34.1671, 56.3229



28.3737, 34.1671, 70.0257

Triad

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



24.8737, 34.1671, 56.3229



42.5068, 34.1671, 50.8799



31.6218, 34.1671, 15.1815

Complementary

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



24.8737, 34.1671, 56.3229



22.4997, 11.9716, 1.1262

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.



36.9532, 34.1671, 16.6746



24.8737, 34.1671, 56.3229



43.6148, 34.1671, 34.7916

Square

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



24.8737, 34.1671, 56.3229



38.6017, 34.1671, 66.3353



41.4853, 34.1671, 22.9877



27.0331, 34.1671, 18.1601

Rectangle

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



24.8737, 34.1671, 56.3229



31.5829, 34.1671, 74.0955



41.4853, 34.1671, 22.9877



33.3833, 34.1671, 15.1870

Sweetspot

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



24.8748, 34.1683, 56.3237



68.2525, 81.4582, 104.5955



19.4140, 38.6330, 7.0698



14.3625, 17.4295, 22.8572



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.8748, 34.1683, 56.3237



44.9526, 61.6778, 102.0056



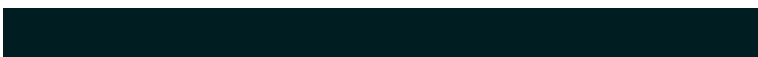
12.4364, 9.2916, 52.1776



10.2770, 11.2452, 12.9137



16.3883, 22.5331, 37.0422



0.7341, 1.0257, 1.6092

Inverse Universe

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



29.8891, 14.5266, 41.2741



54.0931, 26.2936, 74.4776



28.5426, 24.0574, 3.1406



10.4511, 10.2290, 12.4660



19.6680, 9.5570, 27.2277



0.8629, 0.4182, 1.2457

Previews

White Background



This preview shows how the XYZ color 24.8737, 34.1671, 56.3229 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 24.8737, 34.1671, 56.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

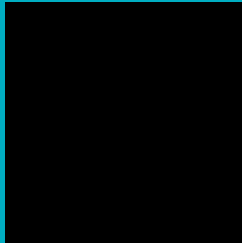
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.8737, 34.1671, 56.3229

Background



This preview shows how black text looks on a background with the XYZ color 24.8737, 34.1671, 56.3229.



This preview shows how white text looks on a background with the XYZ color 24.8737, 34.1671,

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

24.8737, 34.1671, 56.3229

Protanopia

33.2809, 33.8297, 49.0317

Deuteranopia

34.5111, 33.7677, 58.1250



Tritanopia

24.5153, 34.3341, 53.4792

Trichromacy



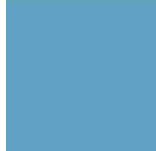
Original Color

24.8737, 34.1671, 56.3229



Protanomaly

26.8899, 32.2809, 51.2680



Deuteranomaly

27.6468, 32.0078, 57.5443



Tritanomaly

24.7339, 34.4215, 54.6306

Monochromacy



Original Color

24.8737, 34.1671, 56.3229



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.3223, 23.1782, 31.9419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8737, 34.1671, 56.3229 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, 174, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 194)  
}
```

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, 174, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 194) }
```

Border

The CSS property to change the border of an element to XYZ 24.8737, 34.1671, 56.3229 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, 174, 194) }
```


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

```
.border{ border-color:rgb(0, 174, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8737, 34.1671, 56.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 194) }
```

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

```
.background{ background-color: rgb(0, 174,  
194) }
```

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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