

Converting Colors

XYZ(24.3015, 33.0222, 56.1344)

Have a look what the booklet for
XYZ(24.3015, 33.0222, 56.1344)
contains.

XYZ(24.3005, 33.0209, 56.1318)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3005, 33.0209,
56.1318)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABC2
RGB	0, 171, 194
RGB Percent	0%, 67%, 76%
CMY	0.9999, 0.3294, 0.2392
CMYK	1.00, 0.12, 0.00, 0.24
HSL	187°, 100%, 38%
HSV	187°, 100%, 76%
XYZ	24.3005, 33.0209, 56.1318
YIQ	122.4930, -109.2990, -29.0990

Conversions

Conversions Part 2

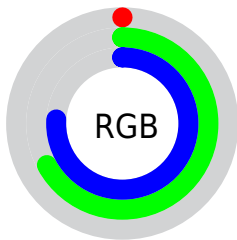
Format	Color
RYB	0, 91, 194
Decimal	43970
CIELab	64.18, -28.25, -22.13
CIELCh	64, 35.886, 218.071
Yxy	33.0209, 0.2142, 0.2911
Android (android.graphics.Color)	4278234050 (0xFF00ABC2)
YUV	122.4930, 35.2530, -107.4264
Hunter-Lab	57.4638, -25.0770, -17.6910

Details

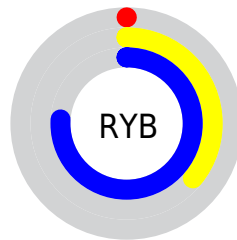
The XYZ color **24.3005, 33.0209, 56.1318** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **22.5557, 12.0838, 1.1447**, and the grayscale version is **18.5778, 19.5453, 21.2849**.

A 20% lighter version of the original color is **50.1372, 64.6125, 101.0957**, and **11.2121, 14.8503, 27.0864** is the 20% darker color. If you saturate the color by 10%, you get **24.3002, 33.0201, 56.1323**, and if you desaturate by 10%, it is **25.0166, 34.0414, 56.2917**.

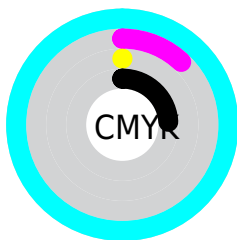
Distribution



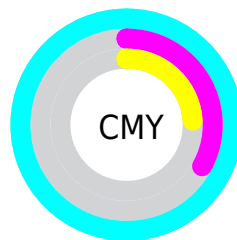
- Red (0%)
- Green (67%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (33%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3005, 33.0209, 56.1318 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 24.3005, 33.0209, 56.1318 by changing the saturation by 10% instead.

■ 24.3005, 33.0209,
56.1318

■ 24.3005, 33.0209,
56.1318

266.7486,
315.7439, 427.5903

■ 15.6826, 22.1425,
39.9039

■ 49.9712, 64.4082,
100.6850

■ 9.3893, 13.9616,
27.1504

■ 67.7548, 85.6858,
129.8473

■ 5.0551, 8.0940,
17.4528

■ 89.3243, 111.1985,
164.1583

■ 2.3147, 4.1551,
10.3925

■ 115.0452,
141.3309, 204.0363

■ 0.8022, 1.7607,
5.5510

■ 145.2826,
176.4672, 249.9000

■ 0.0000, 0.4625,
2.5097

180.4021,

■ 0.0000, 0.0000,

216.9919, 302.1678

0.8453

220.7690,
263.2893, 361.2584

■ 0.0000, 0.0000,
0.0000

■ 24.3005, 33.0209,
56.1318

■ 24.3005, 33.0209,
56.1318

■ 24.3002, 33.0201,
56.1323

■ 25.0166, 34.0414,
56.2917

■ 26.0159, 35.2185,
56.4662

■ 27.3977, 36.6041,
56.6608

■ 29.2125, 38.2244,
56.8779

■ 31.5030, 40.1013,
57.1195

■ 34.3067, 42.2543,
57.3873

■ 37.6574, 44.7009,
57.6829

■ 41.5860, 47.4570,
58.0078

■ 46.1210, 50.5373,
58.3634

Harmonies

Analogous

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



22.6663, 33.0209, 40.0305



24.3005, 33.0209, 56.1318



27.8738, 33.0209, 68.6860

Triad

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



24.3005, 33.0209, 56.1318



41.3567, 33.0209, 47.4577



30.0326, 33.0209, 14.7459

Complementary

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



24.3005, 33.0209, 56.1318



22.5557, 12.0838, 1.1447

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.



35.1801, 33.0209, 15.7324



24.3005, 33.0209, 56.1318



42.0949, 33.0209, 32.1644

Square

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



24.3005, 33.0209, 56.1318



37.8085, 33.0209, 62.8094



39.7286, 33.0209, 21.3043



25.7343, 33.0209, 18.1088

Rectangle

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



24.3005, 33.0209, 56.1318



31.0574, 33.0209, 71.8275



39.7286, 33.0209, 21.3043



31.7156, 33.0209, 14.6021

Sweetspot

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



24.3016, 33.0221, 56.1326



67.9001, 80.7534, 104.4780



19.4438, 38.6448, 7.2276



14.2750, 17.2545, 22.8280



0.0000, 0.0000, 0.0000



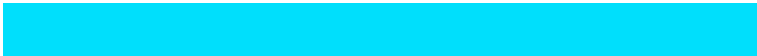
20.3446, 21.4041, 23.3091

Same Dimension

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



24.3016, 33.0221, 56.1326



43.9008, 59.5742, 101.6549



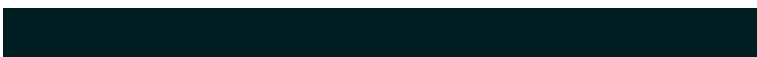
12.2131, 8.8452, 52.1031



10.2633, 11.2179, 12.9092



16.0160, 21.7885, 36.9181



0.7214, 1.0002, 1.6049

Inverse Universe

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



29.5997, 14.4107, 39.7508



53.5622, 26.0812, 71.6819



28.9229, 24.8181, 3.2671



10.4442, 10.2263, 12.4297



19.4801, 9.4818, 26.2380



0.8565, 0.4156, 1.2117

Previews

White Background



This preview shows how the XYZ color 24.3005, 33.0209, 56.1318 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 24.3005, 33.0209, 56.1318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

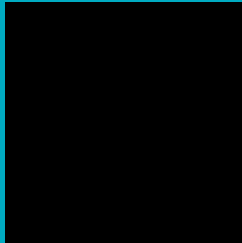
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.3005, 33.0209, 56.1318

Background



This preview shows how black text looks on a background with the XYZ color 24.3005, 33.0209, 56.1318.



This preview shows how white text looks on a background with the XYZ color 24.3005, 33.0209,

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

24.3005, 33.0209, 56.1318

Protanopia

32.2292, 32.5494, 48.8400

Deuteranopia

33.4539, 32.7367, 57.9817



Tritanopia

23.6155, 33.0502, 51.5890

Trichromacy



Original Color

24.3005, 33.0209, 56.1318

Protanomaly

26.1530, 31.1197, 51.0827

Deuteranomaly

27.0923, 31.2072, 57.4190

Tritanomaly

23.9378, 33.1792, 53.2867

Monochromacy



Original Color

24.3005, 33.0209, 56.1318

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.9448, 22.5458, 31.8398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3005, 33.0209, 56.1318 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, 171, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 194) }
```

Border

The CSS property to change the border of an element to XYZ 24.3005, 33.0209, 56.1318 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, 171, 194) }
```


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

```
.border{ border-color:rgb(0, 171, 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, 171, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3005, 33.0209, 56.1318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 194) }
```

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

```
.background{ background-color: rgb(0, 171,  
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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