

Converting Colors

XYZ(18.5640, 29.8429, 50.0123)

Have a look what the booklet for
XYZ(18.5640, 29.8429, 50.0123)
contains.

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Color

**XYZ(23.0265, 32.2101,
50.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAB8
RGB	0, 170, 184
RGB Percent	0%, 67%, 72%
CMY	0.9998, 0.3333, 0.2784
CMYK	1.00, 0.08, 0.00, 0.28
HSL	185°, 100%, 36%
HSV	185°, 100%, 72%
XYZ	23.0265, 32.2101, 50.3510
YIQ	120.7660, -105.8140, -31.6860

Conversions

Conversions Part 2

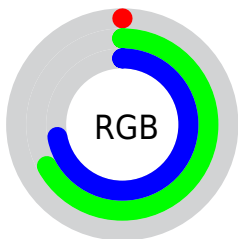
Format	Color
RYB	0, 88, 184
Decimal	43704
CIELab	63.52, -31.04, -17.56
CIELCh	64, 35.669, 209.499
Yxy	32.2101, 0.2181, 0.3051
Android (android.graphics.Color)	4278233784 (0xFF00AAB8)
YUV	120.7660, 31.1744, -105.9118
Hunter-Lab	56.7539, -26.8975, -12.8732

Details

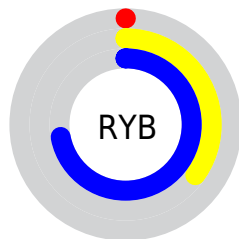
The XYZ color **23.0265, 32.2101, 50.3510** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.9253, 10.5058, 0.9789**, and the grayscale version is **18.0301, 18.9690, 20.6573**.

A 20% lighter version of the original color is **47.9615, 63.2807, 92.1246**, and **10.4580, 14.3613, 23.6935** is the 20% darker color. If you saturate the color by 10%, you get **23.0264, 32.2098, 50.3516**, and if you desaturate by 10%, it is **23.5487, 32.8717, 50.4518**.

Distribution



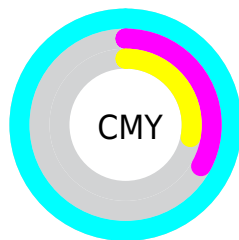
- Red (0%)
- Green (67%)
- Blue (72%)



- Red (0%)
- Yellow (35%)
- Blue (72%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (33%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0265, 32.2101, 50.3510 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 23.0265, 32.2101, 50.3510 by changing the saturation by 10% instead.

■ 23.0265, 32.2101,
50.3510

■ 23.0265, 32.2101,
50.3510

260.3939,
312.0752, 404.8113

■ 14.7339, 21.5220,
35.3192

■ 47.9032, 63.1403,
92.0964

■ 8.7179, 13.5061,
23.6234

■ 65.2179, 84.1512,
119.6471

■ 4.6133, 7.7780,
14.8449

■ 86.2708, 109.3719,
152.2078

■ 2.0546, 3.9532,
8.5652

■ 111.4271,
139.1867, 190.1972

■ 0.6644, 1.6474,
4.3657

■ 141.0522,
173.9801, 234.0336

■ 0.0000, 0.3893,
1.8281

175.5115,

■ 0.0000, 0.0000,

214.1363, 284.1358

0.4464

215.1702,
260.0399, 340.9222

■ 0.0000, 0.0000,
0.0000

■ 23.0265, 32.2101,
50.3510

■ 23.0265, 32.2101,
50.3510

■ 23.0264, 32.2098,
50.3516

■ 23.5487, 32.8717,
50.4518

■ 24.3149, 33.6626,
50.5641

■ 25.4160, 34.6304,
50.6928

■ 26.8961, 35.7977,
50.8401

■ 28.7926, 37.1839,
51.0077

■ 31.1384, 38.8059,
51.1972

■ 33.9631, 40.6790,
51.4099

■ 37.2936, 42.8171,
51.6470

■ 41.1552, 45.2332,
51.9098

Harmonies

Analogous

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



22.0171, 32.2101, 34.8326



23.0265, 32.2101, 50.3510



26.0153, 32.2101, 64.3393

Triad

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



23.0265, 32.2101, 50.3510



39.6107, 32.2101, 50.8802



30.6983, 32.2101, 14.2025

Complementary

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



23.0265, 32.2101, 50.3510



19.9253, 10.5058, 0.9789

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.



35.7267, 32.2101, 16.3777



23.0265, 32.2101, 50.3510



41.2016, 32.2101, 35.3111

Square

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



23.0265, 32.2101, 50.3510



35.5666, 32.2101, 64.6985



39.7100, 32.2101, 23.2453



26.1453, 32.2101, 16.2341

Rectangle

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



23.0265, 32.2101, 50.3510



28.9056, 32.2101, 69.4589



39.7100, 32.2101, 23.2453



32.3899, 32.2101, 14.4543

Sweetspot

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



23.0275, 32.2113, 50.3518



61.2751, 73.5506, 93.1718



17.2095, 34.3091, 6.0730



12.7287, 15.5397, 20.0502



88.6918, 93.3107, 101.6153



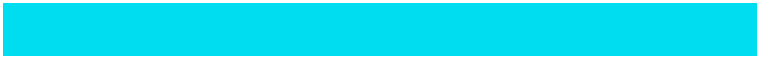
17.8044, 18.7317, 20.3988

Same Dimension

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



23.0275, 32.2113, 50.3518



41.6615, 58.2291, 91.2482



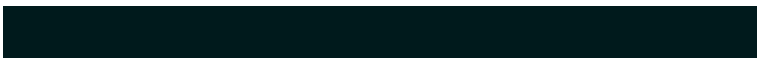
11.5034, 9.1630, 46.5104



9.2066, 10.0905, 11.5419



15.8925, 22.2447, 34.7091



0.5777, 0.8191, 1.2294

Inverse Universe

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



27.0238, 13.0938, 39.1343



48.9458, 23.7178, 70.7260



24.7468, 20.1489, 2.5861



9.3506, 9.1506, 11.1939



18.6355, 9.0280, 27.0310



0.6658, 0.3218, 0.9994

Previews

White Background



This preview shows how the XYZ color 23.0265, 32.2101, 50.3510 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 23.0265, 32.2101, 50.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

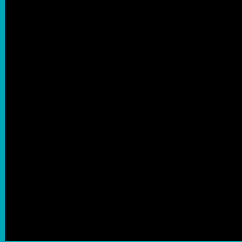
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

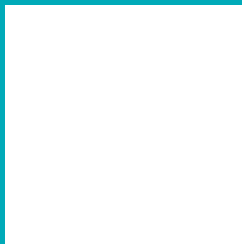
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0265, 32.2101, 50.3510

Background



This preview shows how black text looks on a background with the XYZ color 23.0265, 32.2101, 50.3510.

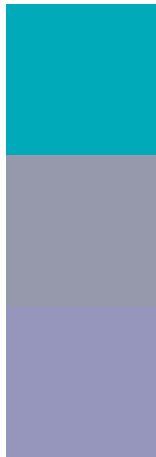


This preview shows how white text looks on a background with the XYZ color 23.0265, 32.2101,

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

23.0265, 32.2101, 50.3510

Protanopia

31.2523, 31.9191, 43.5435

Deuteranopia

32.6693, 31.9708, 52.5932

Trichromacy



Original Color

23.0265, 32.2101, 50.3510

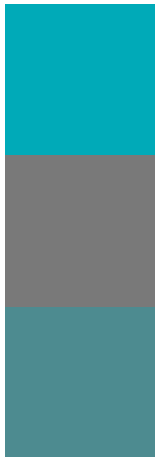
Protanomaly

24.9539, 30.3638, 45.6199

Deuteranomaly

25.7459, 30.1347, 51.4733

Monochromacy



Original Color

23.0265, 32.2101, 50.3510

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.3272, 22.0566, 29.7297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0265, 32.2101, 50.3510 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, 170, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 184)  
}
```

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, 170, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 184) }
```

Border

The CSS property to change the border of an element to XYZ 23.0265, 32.2101, 50.3510 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, 170, 184) }
```

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

```
.border{ border-color:rgb(0, 170, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
184) }
```


Background

The CSS property to change the background color of an element to XYZ 23.0265, 32.2101, 50.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 184) }
```

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

```
.background{ background-color: rgb(0, 170,  
184) }
```

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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