

Converting Colors

XYZ(23.1137, 32.4516, 50.1734)

Have a look what the booklet for
XYZ(23.1137, 32.4516, 50.1734)
contains.

XYZ(23.2146, 32.5865, 50.4137)	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(23.2146, 32.5865,
50.4137)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABB8
RGB	0, 171, 184
RGB Percent	0%, 67%, 72%
CMY	0.9999, 0.3294, 0.2784
CMYK	1.00, 0.07, 0.00, 0.28
HSL	184°, 100%, 36%
HSV	184°, 100%, 72%
XYZ	23.2146, 32.5865, 50.4137
YIQ	121.3530, -106.0890, -32.2090

Conversions

Conversions Part 2

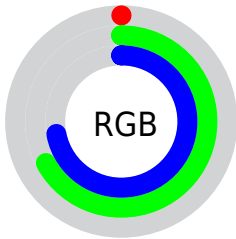
Format	Color
RYB	0, 89, 184
Decimal	43960
CIELab	63.82, -31.53, -17.10
CIELCh	64, 35.865, 208.468
Yxy	32.5865, 0.2186, 0.3068
Android (android.graphics.Color)	4278234040 (0xFF00ABB8)
YUV	121.3530, 30.8850, -106.4266
Hunter-Lab	57.0846, -27.3074, -12.4022

Details

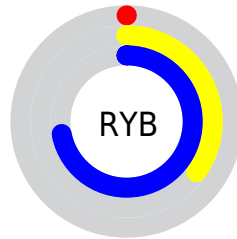
The XYZ color **23.2146, 32.5865, 50.4137** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.9119, 10.4792, 0.9742**, and the grayscale version is **18.2194, 19.1683, 20.8742**.

A 20% lighter version of the original color is **48.2343, 63.8261, 92.2155**, and **10.5752, 14.5956, 23.7326** is the 20% darker color. If you saturate the color by 10%, you get **23.2148, 32.5866, 50.4143**, and if you desaturate by 10%, it is **23.7196, 33.2139, 50.5088**.

Distribution



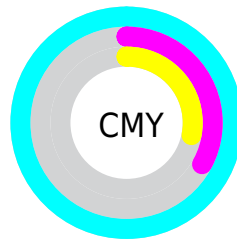
- Red (0%)
- Green (67%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (28%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2146, 32.5865, 50.4137 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 23.2146, 32.5865, 50.4137 by changing the saturation by 10% instead.

■ 23.2146, 32.5865,
50.4137

■ 23.2146, 32.5865,
50.4137

261.3401,
313.7823, 405.0629

■ 14.8736, 21.8099,
35.3687

■ 48.2095, 63.7294,
92.1901

■ 8.8165, 13.7173,
23.6612

■ 65.5942, 84.8645,
119.7587

■ 4.6778, 7.9243,
14.8726

■ 86.7241, 110.2212,
152.3389

■ 2.0923, 4.0465,
8.5844

■ 111.9646,
140.1838, 190.3492

■ 0.6850, 1.6996,
4.3780

■ 141.6812,
175.1369, 234.2082

■ 0.0000, 0.4234,
1.8349

176.2390,

■ 0.0000, 0.0000,

215.4647, 284.3345

0.4509

216.0035,
261.5517, 341.1465

■ 0.0000, 0.0000,
0.0000

■ 23.2146, 32.5865,
50.4137

■ 23.2146, 32.5865,
50.4137

■ 23.2148, 32.5866,
50.4143

■ 23.7196, 33.2139,
50.5088

■ 24.4682, 33.9698,
50.6152

■ 25.5512, 34.9017,
50.7380

■ 27.0129, 36.0323,
50.8792

■ 28.8905, 37.3811,
51.0406

■ 31.2170, 38.9649,
51.2237

■ 34.0219, 40.7990,
51.4299

■ 37.3324, 42.8974,
51.6604

■ 41.1734, 45.2729,
51.9165

Harmonies

Analogous

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



22.2644, 32.5865, 34.7449



23.2146, 32.5865, 50.4137



26.1784, 32.5865, 64.7642

Triad

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



23.2146, 32.5865, 50.4137



39.9830, 32.5865, 52.0541



31.2321, 32.5865, 14.3488

Complementary

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



23.2146, 32.5865, 50.4137



19.9119, 10.4792, 0.9742

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.



36.3188, 32.5865, 16.7010



23.2146, 32.5865, 50.4137



41.6983, 32.5865, 36.2277

Square

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



23.2146, 32.5865, 50.4137



35.8225, 32.5865, 65.8778



40.2907, 32.5865, 23.8334



26.5813, 32.5865, 16.2564

Rectangle

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



23.2146, 32.5865, 50.4137



29.0764, 32.5865, 70.1896



40.2907, 32.5865, 23.8334



32.9493, 32.5865, 14.6517

Sweetspot

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



23.2156, 32.5877, 50.4145



61.3868, 73.7740, 93.2090



17.2093, 34.3089, 6.0727



12.7560, 15.5943, 20.0593



88.6918, 93.3107, 101.6153



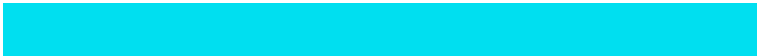
17.8044, 18.7317, 20.3988

Same Dimension

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



23.2156, 32.5877, 50.4145



42.0081, 58.9225, 91.3637



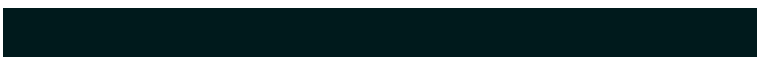
11.5028, 9.1621, 46.5102



9.2109, 10.0991, 11.5433



16.0209, 22.5014, 34.7519



0.5811, 0.8259, 1.2305

Inverse Universe

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



27.1187, 13.1316, 39.6346



49.1208, 23.7878, 71.6475



24.7463, 20.1480, 2.5856



9.3528, 9.1515, 11.2053



18.7003, 9.0539, 27.3722



0.6675, 0.3225, 1.0083

Previews

White Background



This preview shows how the XYZ color 23.2146, 32.5865, 50.4137 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 23.2146, 32.5865, 50.4137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

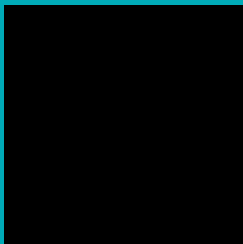
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

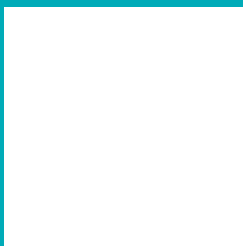
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2146, 32.5865, 50.4137

Background



This preview shows how black text looks on a background with the XYZ color 23.2146, 32.5865, 50.4137.

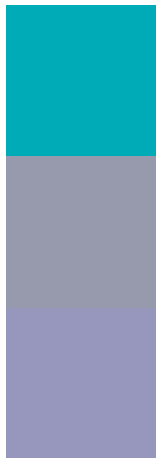


This preview shows how white text looks on a background with the XYZ color 23.2146, 32.5865,

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

23.2146, 32.5865, 50.4137

Protanopia

31.6001, 32.3403, 43.6065

Deuteranopia

32.8542, 32.0661, 52.6019



Tritanopia

23.4325, 32.6867, 50.9731

Trichromacy



Original Color

23.2146, 32.5865, 50.4137

Protanomaly

25.2311, 30.7630, 45.6823

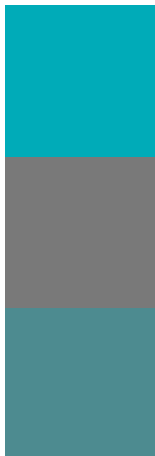
Deuteranomaly

26.0204, 30.5284, 51.5349

Tritanomaly

23.3950, 32.6673, 50.9713

Monochromacy



Original Color

23.2146, 32.5865, 50.4137

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 23.2146, 32.5865, 50.4137 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 184) }
```

Border

The CSS property to change the border of an element to XYZ 23.2146, 32.5865, 50.4137 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, 184) }
```


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

```
.border{ border-color:rgb(0, 171, 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, 171, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2146, 32.5865, 50.4137 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, 184) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor