

Converting Colors

XYZ(12.1925, 26.7158, 51.1531)

Have a look what the booklet for
XYZ(12.1925, 26.7158, 51.1531)
contains.

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Color

**XYZ(23.2377, 32.2946,
51.4631)**

Conversions

Conversions Part 1

Format	Color
Hex	00AABA
RGB	0, 170, 186
RGB Percent	0%, 67%, 73%
CMY	0.9998, 0.3333, 0.2706
CMYK	1.00, 0.09, 0.00, 0.27
HSL	185°, 100%, 36%
HSV	185°, 100%, 73%
XYZ	23.2377, 32.2946, 51.4631
YIQ	120.9940, -106.4560, -31.0640

Conversions

Conversions Part 2

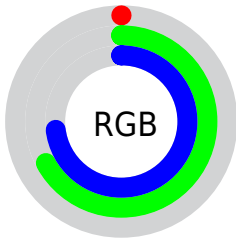
Format	Color
RYB	0, 89, 186
Decimal	43706
CIELab	63.59, -30.39, -18.57
CIELCh	64, 35.620, 211.430
Yxy	32.2946, 0.2172, 0.3018
Android (android.graphics.Color)	4278233786 (0xFF00AABA)
YUV	120.9940, 32.0480, -106.1117
Hunter-Lab	56.8283, -26.4591, -13.9125

Details

The XYZ color **23.2377, 32.2946, 51.4631** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.4361, 10.8112, 1.0109**, and the grayscale version is **18.1010, 19.0436, 20.7385**.

A 20% lighter version of the original color is **48.2604, 63.4002, 93.6983**, and **10.5949, 14.4160, 24.4145** is the 20% darker color. If you saturate the color by 10%, you get **23.2375, 32.2941, 51.4636**, and if you desaturate by 10%, it is **23.8017, 33.0341, 51.5767**.

Distribution



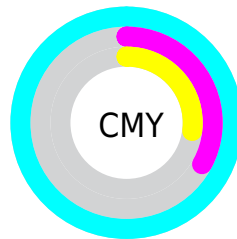
- Red (0%)
- Green (67%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2377, 32.2946, 51.4631 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 23.2377, 32.2946, 51.4631 by changing the saturation by 10% instead.

■ 23.2377, 32.2946,
51.4631

■ 23.2377, 32.2946,
51.4631

261.4561,
312.4591, 409.2582

■ 14.8908, 21.5866,
36.1980

■ 48.2471, 63.2726,
93.7574

■ 8.8286, 13.5535,
24.2963

■ 65.6403, 84.3115,
121.6238

■ 4.6858, 7.8108,
15.3393

■ 86.7797, 109.5628,
154.5276

■ 2.0969, 3.9741,
8.9086

■ 112.0306,
139.4108, 192.8875

■ 0.6875, 1.6591,
4.5856

■ 141.7583,
174.2401, 237.1219

■ 0.0000, 0.3970,
1.9518

176.3282,

■ 0.0000, 0.0000,

214.4350, 287.6495

0.5254

216.1057,
260.3798, 344.8887

■ 0.0000, 0.0000,
0.0000

■ 23.2377, 32.2946,
51.4631

■ 23.2377, 32.2946,
51.4631

■ 23.2375, 32.2941,
51.4636

■ 23.8017, 33.0341,
51.5767

■ 24.6173, 33.9080,
51.7024

■ 25.7769, 34.9648,
51.8453

■ 27.3259, 36.2278,
52.0074

■ 29.3028, 37.7169,
52.1907

■ 31.7414, 39.4495,
52.3966

■ 34.6719, 41.4412,
52.6265

■ 38.1223, 43.7065,
52.8819

■ 42.1182, 46.2586,
53.1639

Harmonies

Analogous

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



22.0941, 32.2946, 35.8510



23.2377, 32.2946, 51.4631



26.3456, 32.2946, 65.1126

Triad

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



23.2377, 32.2946, 51.4631



39.8816, 32.2946, 49.9526



30.4571, 32.2946, 14.2773

Complementary

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



23.2377, 32.2946, 51.4631



20.4361, 10.8112, 1.0109

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.



35.4987, 32.2946, 16.1798



23.2377, 32.2946, 51.4631



41.2804, 32.2946, 34.4845

Square

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



23.2377, 32.2946, 51.4631



35.9559, 32.2946, 64.0877



39.5982, 32.2946, 22.7295



25.9741, 32.2946, 16.5905

Rectangle

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



23.2377, 32.2946, 51.4631



29.2921, 32.2946, 69.7874



39.5982, 32.2946, 22.7295



32.1421, 32.2946, 14.4409

Sweetspot

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



23.2387, 32.2958, 51.4639



62.5451, 74.9140, 95.3648



17.6498, 35.1546, 6.3277



13.2576, 16.1498, 20.9610



90.7827, 95.5105, 104.0109



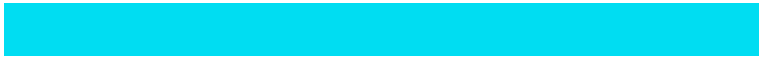
18.6292, 19.5994, 21.3438

Same Dimension

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



23.2387, 32.2958, 51.4639



42.0289, 58.3544, 93.2498



11.5544, 8.9272, 47.5691



9.1988, 10.0749, 11.5393



15.6606, 21.7809, 34.6318



0.5716, 0.8069, 1.2274

Inverse Universe

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



27.5064, 13.3426, 39.1569



49.8094, 24.1637, 70.7307



25.6677, 21.2742, 2.7548



9.3467, 9.1491, 11.1732



18.5184, 8.9811, 26.4145



0.6627, 0.3205, 0.9831

Previews

White Background



This preview shows how the XYZ color 23.2377, 32.2946, 51.4631 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 23.2377, 32.2946, 51.4631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

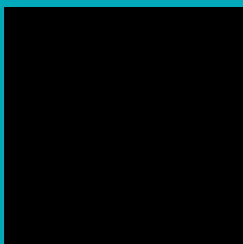
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

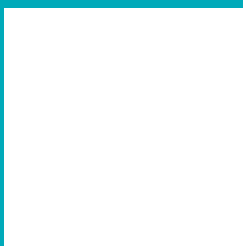
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2377, 32.2946, 51.4631

Background



This preview shows how black text looks on a background with the XYZ color 23.2377, 32.2946, 51.4631.

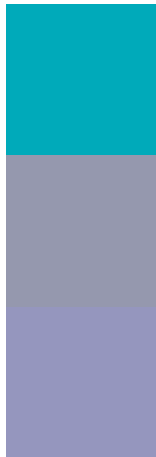


This preview shows how white text looks on a background with the XYZ color 23.2377, 32.2946,

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

23.2377, 32.2946, 51.4631

Protanopia

31.2626, 31.9020, 44.5544

Deuteranopia

32.5950, 31.9200, 53.1584



Tritanopia

23.0265, 32.2101, 50.3510

Trichromacy



Original Color

23.2377, 32.2946, 51.4631



Protanomaly

25.1533, 30.4435, 46.6699



Deuteranomaly

25.9616, 30.2210, 52.6090



Tritanomaly

23.1317, 32.2522, 50.9051

Monochromacy



Original Color

23.2377, 32.2946, 51.4631



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.4040, 22.0874, 30.1341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2377, 32.2946, 51.4631 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.2377, 32.2946, 51.4631 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, 186) }
```


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

```
.border{ border-color:rgb(0, 170, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2377, 32.2946, 51.4631 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, 186) }
```

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

```
.background{ background-color: rgb(0, 170,  
186) }
```

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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