

Converting Colors

XYZ(21.3949, 32.0835, 49.1510)

Have a look what the booklet for
XYZ(21.3949, 32.0835, 49.1510)
contains.

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Color

**XYZ(23.1960, 32.8824,
49.3804)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACB6
RGB	0, 172, 182
RGB Percent	0%, 67%, 71%
CMY	0.9999, 0.3255, 0.2863
CMYK	1.00, 0.05, 0.00, 0.29
HSL	183°, 100%, 36%
HSV	183°, 100%, 71%
XYZ	23.1960, 32.8824, 49.3804
YIQ	121.7120, -105.7220, -33.3540

Conversions

Conversions Part 2

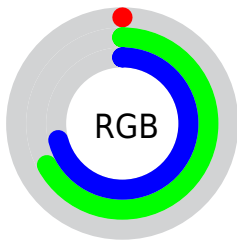
Format	Color
RYB	0, 88, 182
Decimal	44214
CIELab	64.07, -32.65, -15.62
CIELCh	64, 36.192, 205.561
Yxy	32.8824, 0.2200, 0.3118
Android (android.graphics.Color)	4278234294 (0xFF00ACB6)
YUV	121.7120, 29.7220, -106.7414
Hunter-Lab	57.3432, -28.1452, -10.9167

Details

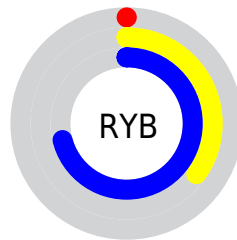
The XYZ color **23.1960, 32.8824, 49.3804** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.4008, 10.1631, 0.9402**, and the grayscale version is **18.3396, 19.2946, 21.0119**.

A 20% lighter version of the original color is **48.2130, 64.2565, 90.7506**, and **10.5593, 14.7786, 23.0649** is the 20% darker color. If you saturate the color by 10%, you get **23.1962, 32.8826, 49.3811**, and if you desaturate by 10%, it is **23.6415, 33.3964, 49.4567**.

Distribution



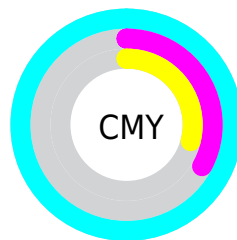
- Red (0%)
- Green (67%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1960, 32.8824, 49.3804 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 23.1960, 32.8824, 49.3804 by changing the saturation by 10% instead.

■ 23.1960, 32.8824,
49.3804

■ 23.1960, 32.8824,
49.3804

261.2467,
315.1195, 400.9034

■ 14.8598, 22.0364,
34.5536

■ 48.1792, 64.1919,
90.6430

■ 8.8067, 13.8836,
23.0384

■ 65.5570, 85.4241,
117.9159

■ 4.6714, 8.0398,
14.4163

■ 86.6793, 110.8872,
150.1745

■ 2.0886, 4.1204,
8.2687

■ 111.9115,
140.9656, 187.8375

■ 0.6830, 1.7411,
4.1772

■ 141.6190,
176.0436, 231.3233

■ 0.0000, 0.4501,
1.7230

176.1671,

■ 0.0000, 0.0000,

216.5057, 281.0506

0.3764

215.9212,
262.7362, 337.4377

■ 0.0000, 0.0000,
0.0000

■ 23.1960, 32.8824,
49.3804

■ 23.1960, 32.8824,
49.3804

■ 23.1962, 32.8826,
49.3811

■ 23.6415, 33.3964,
49.4567

■ 24.3230, 34.0335,
49.5438

■ 25.3297, 34.8404,
49.6465

■ 26.7047, 35.8392,
49.7668

■ 28.4842, 37.0488,
49.9065

■ 30.7003, 38.4856,
50.0670

■ 33.3818, 40.1644,
50.2497

■ 36.5550, 42.0989,
50.4559

■ 40.2442, 44.3015,
50.6866

Harmonies

Analogous

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



22.4396, 32.8824, 33.6679



23.1960, 32.8824, 49.3804



26.0163, 32.8824, 64.4122

Triad

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



23.1960, 32.8824, 49.3804



40.0849, 32.8824, 54.2068



32.0209, 32.8824, 14.4266

Complementary

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



23.1960, 32.8824, 49.3804



19.4008, 10.1631, 0.9402

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.



37.1508, 32.8824, 17.2383



23.1960, 32.8824, 49.3804



42.1179, 32.8824, 38.0273

Square

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



23.1960, 32.8824, 49.3804



35.6913, 32.8824, 67.6900



40.9899, 32.8824, 24.9754



27.2001, 32.8824, 15.9338

Rectangle

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



23.1960, 32.8824, 49.3804



28.8655, 32.8824, 70.5847



40.9899, 32.8824, 24.9754



33.7702, 32.8824, 14.8702

Sweetspot

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



23.1970, 32.8836, 49.3812



60.2420, 72.6449, 91.0825



16.7787, 33.4766, 5.8396



12.8351, 15.7524, 20.0857



88.6918, 93.3107, 101.6153



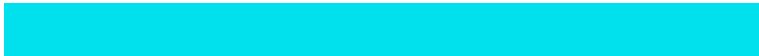
17.8044, 18.7317, 20.3988

Same Dimension

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



23.1970, 32.8836, 49.3812



41.9956, 59.4984, 89.5066



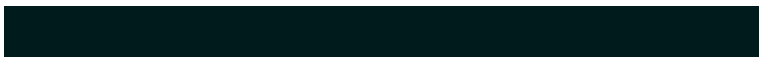
11.4553, 9.4002, 45.4673



9.2233, 10.1238, 11.5474



16.3968, 23.2533, 34.8772



0.5910, 0.8456, 1.2338

Inverse Universe

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



26.7387, 12.9246, 40.1163



48.4458, 23.4186, 72.5723



23.8602, 19.0820, 2.4266



9.3590, 9.1540, 11.2381



18.8900, 9.1298, 28.3714



0.6724, 0.3245, 1.0345

Previews

White Background



This preview shows how the XYZ color 23.1960, 32.8824, 49.3804 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 23.1960, 32.8824, 49.3804 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

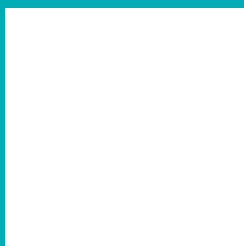
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1960, 32.8824, 49.3804

Background



This preview shows how black text looks on a background with the XYZ color 23.1960, 32.8824, 49.3804.



This preview shows how white text looks on a background with the XYZ color 23.1960, 32.8824,

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

23.1960, 32.8824, 49.3804

Protanopia

31.5958, 32.3601, 42.6111

Deuteranopia

33.1731, 32.4934, 51.5371



Tritanopia

23.5693, 32.7572, 50.9795

Trichromacy



Original Color

23.1960, 32.8824, 49.3804

Protanomaly

25.1406, 30.7390, 44.6526

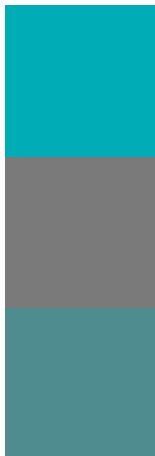
Deuteranomaly

26.0849, 30.8404, 50.4769

Tritanomaly

23.3527, 32.6577, 50.4201

Monochromacy



Original Color

23.1960, 32.8824, 49.3804

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.5540, 22.3895, 29.7820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1960, 32.8824, 49.3804 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, 172, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 182)  
}
```

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, 172, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 182) }
```

Border

The CSS property to change the border of an element to XYZ 23.1960, 32.8824, 49.3804 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, 172, 182) }
```


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

```
.border{ border-color:rgb(0, 172, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1960, 32.8824, 49.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 182) }
```

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

```
.background{ background-color: rgb(0, 172,  
182) }
```

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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