

Converting Colors

XYZ(19.4133, 30.6723, 51.4616)

Have a look what the booklet for
XYZ(19.4133, 30.6723, 51.4616)
contains.

XYZ(23.4258, 32.6710, 51.5258)	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(23.4258, 32.6710,
51.5258)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABBA
RGB	0, 171, 186
RGB Percent	0%, 67%, 73%
CMY	0.9999, 0.3294, 0.2706
CMYK	1.00, 0.08, 0.00, 0.27
HSL	185°, 100%, 36%
HSV	185°, 100%, 73%
XYZ	23.4258, 32.6710, 51.5258
YIQ	121.5810, -106.7310, -31.5870

Conversions

Conversions Part 2

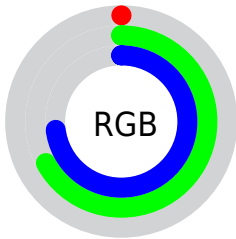
Format	Color
RYB	0, 89, 186
Decimal	43962
CIELab	63.89, -30.88, -18.11
CIELCh	64, 35.797, 210.385
Yxy	32.6710, 0.2177, 0.3036
Android (android.graphics.Color)	4278234042 (0xFF00ABBA)
YUV	121.5810, 31.7586, -106.6265
Hunter-Lab	57.1586, -26.8712, -13.4362

Details

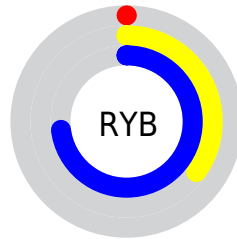
The XYZ color **23.4258, 32.6710, 51.5258** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.4214, 10.7819, 1.0057**, and the grayscale version is **18.2908, 19.2433, 20.9560**.

A 20% lighter version of the original color is **48.6417, 64.0016, 93.7943**, and **10.7121, 14.6503, 24.4535** is the 20% darker color. If you saturate the color by 10%, you get **23.4259, 32.6709, 51.5264**, and if you desaturate by 10%, it is **23.9729, 33.3767, 51.6338**.

Distribution



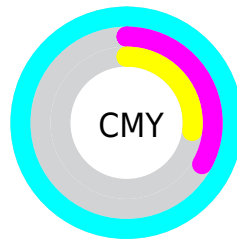
- Red (0%)
- Green (67%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4258, 32.6710, 51.5258 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 23.4258, 32.6710, 51.5258 by changing the saturation by 10% instead.

■ 23.4258, 32.6710,
51.5258

■ 23.4258, 32.6710,
51.5258

262.3992,
314.1646, 409.5079

■ 15.0307, 21.8745,
36.2476

■ 48.5531, 63.8615,
93.8510

■ 8.9274, 13.7647,
24.3343

■ 66.0159, 85.0244,
121.7350

■ 4.7506, 7.9572,
15.3673

■ 87.2320, 110.4115,
154.6581

■ 2.1349, 4.0676,
8.9281

■ 112.5668,
140.4073, 193.0388

■ 0.7081, 1.7114,
4.5981

■ 142.3855,
175.3961, 237.2955

■ 0.0000, 0.4310,
1.9589

177.0536,

■ 0.0000, 0.0000,

215.7623, 287.8470

0.5298

216.9364,
261.8903, 345.1116

■ 0.0000, 0.0000,
0.0000

■ 23.4258, 32.6710,
51.5258

■ 23.4258, 32.6710,
51.5258

■ 23.4259, 32.6709,
51.5264

■ 23.9729, 33.3767,
51.6338

■ 24.7710, 34.2160,
51.7537

■ 25.9127, 35.2373,
51.8907

■ 27.4433, 36.4638,
52.0468

■ 29.4014, 37.9155,
52.2238

■ 31.8206, 39.6098,
52.4233

■ 34.7314, 41.5624,
52.6468

■ 38.1615, 43.7876,
52.8955

■ 42.1367, 46.2987,
53.1707

Harmonies

Analogous

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



22.3409, 32.6710, 35.7598



23.4258, 32.6710, 51.5258



26.5090, 32.6710, 65.5414

Triad

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



23.4258, 32.6710, 51.5258



40.2553, 32.6710, 51.1137



30.9878, 32.6710, 14.4228

Complementary

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



23.4258, 32.6710, 51.5258



20.4214, 10.7819, 1.0057

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.



36.0883, 32.6710, 16.4995



23.4258, 32.6710, 51.5258



41.7779, 32.6710, 35.3872

Square

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



23.4258, 32.6710, 51.5258



36.2130, 32.6710, 65.2617



40.1780, 32.6710, 23.3084



26.4077, 32.6710, 16.6114

Rectangle

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



23.4258, 32.6710, 51.5258



29.4633, 32.6710, 70.5219



40.1780, 32.6710, 23.3084



32.6985, 32.6710, 14.6369

Sweetspot

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



23.4268, 32.6722, 51.5266



62.6579, 75.1395, 95.4024



17.6286, 35.1461, 6.2166



13.2857, 16.2061, 20.9704



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.



23.4268, 32.6722, 51.5266



42.3754, 59.0475, 93.3653



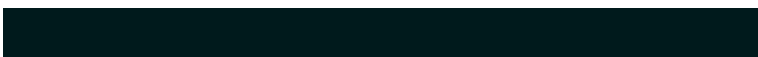
11.7777, 9.3739, 47.6436



9.2031, 10.0833, 11.5407



15.7859, 22.0314, 34.6736



0.5749, 0.8135, 1.2285

Inverse Universe

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



27.6012, 13.3803, 39.6572



49.9843, 24.2337, 71.6518



25.3441, 20.6272, 2.6466



9.3488, 9.1499, 11.1844



18.5817, 9.0064, 26.7475



0.6643, 0.3212, 0.9919

Previews

White Background



This preview shows how the XYZ color 23.4258, 32.6710, 51.5258 looks on a white background.

Color Contrast Check

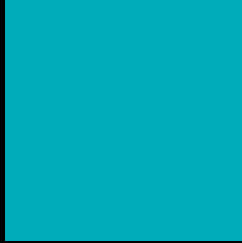
Large Text (above 18pt) WCAG AA × Fail

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 23.4258, 32.6710, 51.5258 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

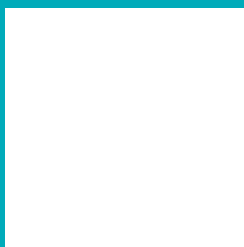
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4258, 32.6710, 51.5258

Background



This preview shows how black text looks on a background with the XYZ color 23.4258, 32.6710, 51.5258.



This preview shows how white text looks on a background with the XYZ color 23.4258, 32.6710,

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

23.4258, 32.6710, 51.5258

Protanopia

31.7937, 32.4178, 44.6259

Deuteranopia

33.0483, 32.3788, 53.7981



Tritanopia

23.3199, 32.6286, 50.9678

Trichromacy



Original Color

23.4258, 32.6710, 51.5258



Protanomaly

25.4306, 30.8428, 46.7324



Deuteranomaly

26.1315, 30.5607, 52.6656



Tritanomaly

23.3199, 32.6286, 50.9678

Monochromacy



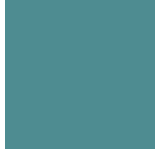
Original Color

23.4258, 32.6710, 51.5258



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.6308, 22.4202, 30.1864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4258, 32.6710, 51.5258 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.4258, 32.6710, 51.5258 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, 186) }
```


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

```
.border{ border-color:rgb(0, 171, 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, 171, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4258, 32.6710, 51.5258 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, 186) }
```

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

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