

Converting Colors

XYZ(10.4524, 26.1682, 50.3212)

Have a look what the booklet for
XYZ(10.4524, 26.1682, 50.3212)
contains.

XYZ(23.5095, 33.0078, 51.0310)	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(23.5095, 33.0078,
51.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACB9
RGB	0, 172, 185
RGB Percent	0%, 67%, 73%
CMY	0.9998, 0.3255, 0.2745
CMYK	1.00, 0.07, 0.00, 0.27
HSL	184°, 100%, 36%
HSV	184°, 100%, 73%
XYZ	23.5095, 33.0078, 51.0310
YIQ	122.0540, -106.6850, -32.4210

Conversions

Conversions Part 2

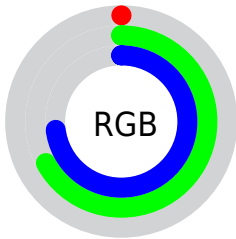
Format	Color
RYB	0, 89, 185
Decimal	44217
CIELab	64.17, -31.69, -17.13
CIELCh	64, 36.023, 208.402
Yxy	33.0078, 0.2186, 0.3069
Android (android.graphics.Color)	4278234297 (0xFF00ACB9)
YUV	122.0540, 31.0324, -107.0414
Hunter-Lab	57.4524, -27.4996, -12.4465

Details

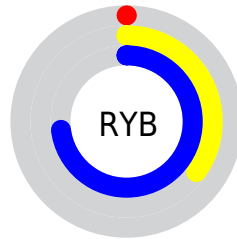
The XYZ color **23.5095, 33.0078, 51.0310** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.1525, 10.6034, 0.9857**, and the grayscale version is **18.4475, 19.4082, 21.1355**.

A 20% lighter version of the original color is **48.7662, 64.4903, 93.0967**, and **10.7617, 14.8596, 24.1308** is the 20% darker color. If you saturate the color by 10%, you get **23.5095, 33.0076, 51.0316**, and if you desaturate by 10%, it is **24.0184, 33.6400, 51.1268**.

Distribution



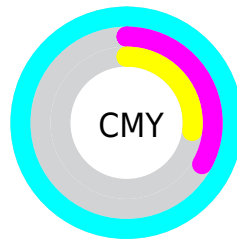
- Red (0%)
- Green (67%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5095, 33.0078, 51.0310 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 23.5095, 33.0078, 51.0310 by changing the saturation by 10% instead.

■ 23.5095, 33.0078,
51.0310

■ 23.5095, 33.0078,
51.0310

262.8179,
315.6849, 407.5342

■ 15.0929, 22.1324,
35.8564

■ 48.6891, 64.3877,
93.1126

■ 8.9714, 13.9542,
24.0345

■ 66.1829, 85.6610,
120.8566

■ 4.7795, 8.0888,
15.1468

■ 87.4330, 111.1691,
153.6275

■ 2.1519, 4.1518,
8.7747

■ 112.8050,
141.2964, 191.8438

■ 0.7172, 1.7589,
4.4997

■ 142.6641,
176.4272, 235.9241

■ 0.0000, 0.4613,
1.9033

177.3758,

■ 0.0000, 0.0000,

216.9459, 286.2869

0.4948

217.3052,
263.2370, 343.3508

■ 0.0000, 0.0000,
0.0000

■ 23.5095, 33.0078,
51.0310

■ 23.5095, 33.0078,
51.0310

■ 23.5095, 33.0076,
51.0316

■ 24.0184, 33.6400,
51.1268

■ 24.7742, 34.4024,
51.2342

■ 25.8687, 35.3430,
51.3580

■ 27.3466, 36.4848,
51.5005

■ 29.2457, 37.8475,
51.6635

■ 31.5994, 39.4482,
51.8484

■ 34.4378, 41.3023,
52.0567

■ 37.7881, 43.4241,
52.2896

■ 41.6758, 45.8266,
52.5484

Harmonies

Analogous

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



22.5516, 33.0078, 35.1619



23.5095, 33.0078, 51.0310



26.5077, 33.0078, 65.5797

Triad

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



23.5095, 33.0078, 51.0310



40.4939, 33.0078, 52.7651



31.6474, 33.0078, 14.5332

Complementary

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



23.5095, 33.0078, 51.0310



20.1525, 10.6034, 0.9857

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.



36.7997, 33.0078, 16.9257



23.5095, 33.0078, 51.0310



42.2383, 33.0078, 36.7293

Square

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



23.5095, 33.0078, 51.0310



36.2751, 33.0078, 66.7569



40.8192, 33.0078, 24.1625



26.9336, 33.0078, 16.4558

Rectangle

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



23.5095, 33.0078, 51.0310



29.4414, 33.0078, 71.0914



40.8192, 33.0078, 24.1625



33.3872, 33.0078, 14.8431

Sweetspot

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



23.5105, 33.0090, 51.0318



61.3945, 73.7895, 93.2116



17.4184, 34.7261, 6.1446



12.7579, 15.5981, 20.0599



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.



23.5105, 33.0090, 51.0318



42.0323, 58.9709, 91.3718



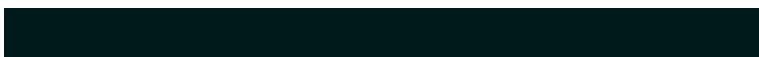
11.6402, 9.2683, 47.0750



9.2112, 10.0996, 11.5434



16.0298, 22.5193, 34.7549



0.5813, 0.8264, 1.2306

Inverse Universe

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



27.4549, 13.2940, 40.1498



49.1330, 23.7926, 71.7118



25.0446, 20.3875, 2.6164



9.3530, 9.1516, 11.2061



18.7048, 9.0557, 27.3960



0.6676, 0.3225, 1.0090

Previews

White Background



This preview shows how the XYZ color 23.5095, 33.0078, 51.0310 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 23.5095, 33.0078, 51.0310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

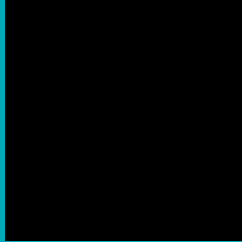
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.5095, 33.0078, 51.0310

Background



This preview shows how black text looks on a background with the XYZ color 23.5095, 33.0078, 51.0310.



This preview shows how white text looks on a background with the XYZ color 23.5095, 33.0078,

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

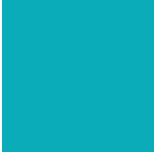
23.5095, 33.0078, 51.0310

Protanopia

31.8830, 32.4750, 44.1231

Deuteranopia

33.3098, 32.5263, 53.2378



Tritanopia

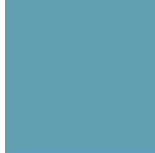
23.7406, 33.1147, 51.5949

Trichromacy



Original Color

23.5095, 33.0078, 51.0310



Protanomaly

25.4364, 30.8573, 46.2104



Deuteranomaly

26.4050, 30.9685, 52.1628



Tritanomaly

23.6906, 33.0889, 51.5926

Monochromacy



Original Color

23.5095, 33.0078, 51.0310



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 23.5095, 33.0078, 51.0310 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.5095, 33.0078, 51.0310 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, 185) }
```


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

```
.border{ border-color:rgb(0, 172, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5095, 33.0078, 51.0310 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, 185) }
```

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

```
.background{ background-color: rgb(0, 172,  
185) }
```

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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