

Converting Colors

XYZ(20.1264, 33.5577, 44.4629)

Have a look what the booklet for
XYZ(20.1264, 33.5577, 44.4629)
contains.

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Color

**XYZ(23.5665, 35.2188,
44.5855)**

Conversions

Conversions Part 1

Format	Color
Hex	00B3AC
RGB	0, 179, 172
RGB Percent	0%, 70%, 67%
CMY	0.9999, 0.2980, 0.3255
CMYK	1.00, 0.00, 0.04, 0.30
HSL	178°, 100%, 35%
HSV	178°, 100%, 70%
XYZ	23.5665, 35.2188, 44.5855
YIQ	124.6810, -104.4370, -40.1250

Conversions

Conversions Part 2

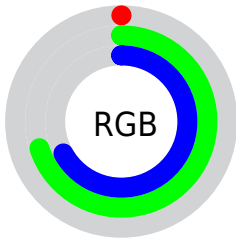
Format	Color
RYB	0, 91, 179
Decimal	45996
CIELab	65.92, -38.98, -7.28
CIELCh	66, 39.656, 190.574
Yxy	35.2188, 0.2280, 0.3407
Android (android.graphics.Color)	4278236076 (0xFF00B3AC)
YUV	124.6810, 23.3283, -109.3452
Hunter-Lab	59.3454, -32.9709, -3.0021

Details

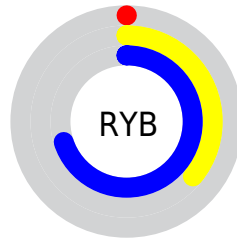
The XYZ color **23.5665, 35.2188, 44.5855** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **18.6299, 9.6001, 1.0730**, and the grayscale version is **19.3386, 20.3457, 22.1565**.

A 20% lighter version of the original color is **48.6105, 67.5594, 83.1513**, and **10.7238, 16.0233, 20.2969** is the 20% darker color. If you saturate the color by 10%, you get **23.5671, 35.2199, 44.5857**, and if you desaturate by 10%, it is **23.8828, 35.3748, 44.9531**.

Distribution



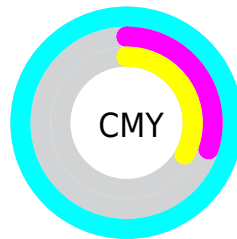
- Red (0%)
- Green (70%)
- Blue (67%)



- Red (0%)
- Yellow (36%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5665, 35.2188, 44.5855 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 23.5665, 35.2188, 44.5855 by changing the saturation by 10% instead.


 23.5665, 35.2188,
44.5855


 23.5665, 35.2188,
44.5855


263.1028,
325.5330, 381.2033


 15.1354, 23.8315,
30.7905


 48.7817, 67.8246,
83.4099


 9.0014, 15.2087,
20.1822


 66.2965, 89.8118,
109.2764


 4.7992, 8.9660,
12.3422


 87.5698, 116.1012,
140.0038

 2.1635, 4.7190,
6.8518

 112.9671,
147.0770, 176.0106

 0.7234, 2.0833,
3.2926

 142.8537,
183.1237, 217.7155

 0.0000, 0.6552,
1.2459

177.5949,

 0.0000, 0.0000,

224.6257, 265.5368

0.0168

217.5562,
271.9673, 319.8932

■ 0.0000, 0.0000,
0.0000

■ 23.5665, 35.2188,
44.5855

■ 23.5665, 35.2188,
44.5855

■ 23.5671, 35.2199,
44.5857

■ 23.8828, 35.3748,
44.9531

■ 24.4241, 35.6461,
45.3324

■ 25.2775, 36.0782,
45.7281

■ 26.4842, 36.6923,
46.1422

■ 28.0791, 37.5065,
46.5763

■ 30.0927, 38.5366,
47.0319

■ 32.5529, 39.7968,
47.5102

■ 35.4848, 41.3002,
48.0125

■ 38.9119, 43.0588,
48.5398

Harmonies

Analogous

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



23.9248, 35.2188, 28.5766



23.5665, 35.2188, 44.5855



25.6178, 35.2188, 63.4271

Triad

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



23.5665, 35.2188, 44.5855



41.3592, 35.2188, 68.4858



37.3673, 35.2188, 15.2395

Complementary

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



23.5665, 35.2188, 44.5855



18.6299, 9.6001, 1.0730

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.



42.7926, 35.2188, 20.9411



23.5665, 35.2188, 44.5855



45.2771, 35.2188, 50.1242

Square

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



23.5665, 35.2188, 44.5855



35.5871, 35.2188, 79.6692



45.8303, 35.2188, 32.7199



31.4470, 35.2188, 14.5527

Rectangle

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



23.5665, 35.2188, 44.5855



28.2335, 35.2188, 73.9218



45.8303, 35.2188, 32.7199



39.3268, 35.2188, 16.5329

Sweetspot

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



23.5676, 35.2201, 44.5863



58.0480, 71.1438, 85.0407



16.2332, 32.2993, 5.3797



12.4355, 15.5441, 18.7607



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.5676, 35.2201, 44.5863



42.1862, 63.0676, 79.7420



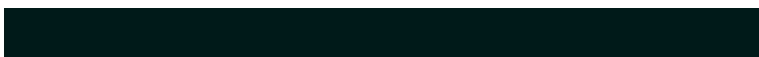
12.5487, 12.0777, 44.3191



8.7280, 9.6257, 10.8273



16.6588, 24.8895, 31.5359



0.5286, 0.7849, 1.0155

Inverse Universe

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



18.6299, 9.6001, 1.0730



33.3447, 17.1841, 1.8201



21.5017, 15.4050, 1.8411



8.5094, 8.5105, 8.9149



13.1697, 6.7854, 0.7875



0.4188, 0.2153, 0.0481

Previews

White Background



This preview shows how the XYZ color 23.5665, 35.2188, 44.5855 looks on a white background.

Color Contrast Check

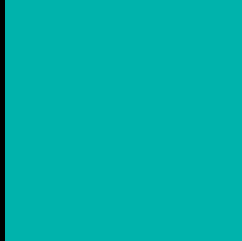
Large Text (above 18pt) WCAG AA × Fail

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 23.5665, 35.2188, 44.5855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

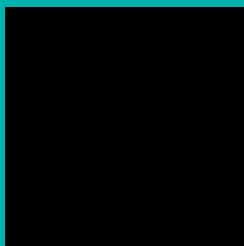
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

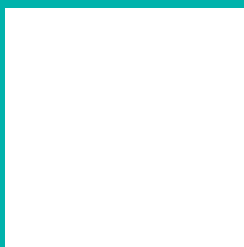
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5665, 35.2188, 44.5855

Background



This preview shows how black text looks on a background with the XYZ color 23.5665, 35.2188, 44.5855.

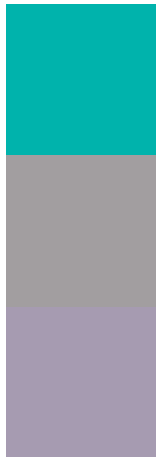


This preview shows how white text looks on a background with the XYZ color 23.5665, 35.2188,

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

23.5665, 35.2188, 44.5855

Protanopia

33.4723, 34.6732, 38.1861

Deuteranopia

35.3830, 34.7240, 46.4325



Tritanopia

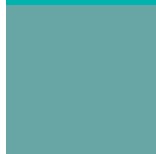
25.7286, 35.2243, 54.7331

Trichromacy



Original Color

23.5665, 35.2188, 44.5855



Protanomaly

25.9306, 32.8363, 40.0933



Deuteranomaly

26.9572, 32.7102, 45.4504



Tritanomaly

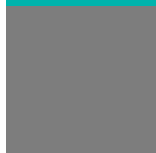
24.7506, 35.0992, 50.8177

Monochromacy



Original Color

23.5665, 35.2188, 44.5855



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.3161, 23.9093, 29.2408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5665, 35.2188, 44.5855 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, 179, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 172)  
}
```

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, 179, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 172) }
```

Border

The CSS property to change the border of an element to XYZ 23.5665, 35.2188, 44.5855 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, 179, 172) }
```


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

```
.border{ border-color:rgb(0, 179, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5665, 35.2188, 44.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 172) }
```

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

```
.background{ background-color: rgb(0, 179,  
172) }
```

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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