

Converting Colors

XYZ(16.3867, 27.9024, 55.2506)

Have a look what the booklet for
XYZ(16.3867, 27.9024, 55.2506)
contains.

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Color

**XYZ(23.4444, 31.4877,
55.2942)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7C1
RGB	0, 167, 193
RGB Percent	0%, 65%, 76%
CMY	0.9998, 0.3451, 0.2431
CMYK	1.00, 0.13, 0.00, 0.24
HSL	188°, 100%, 38%
HSV	188°, 100%, 76%
XYZ	23.4444, 31.4877, 55.2942
YIQ	120.0310, -107.8780, -27.3180

Conversions

Conversions Part 2

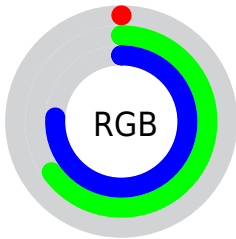
Format	Color
RYB	0, 90, 193
Decimal	42945
CIELab	62.92, -26.59, -23.50
CIELCh	63, 35.486, 221.472
Yxy	31.4877, 0.2127, 0.2857
Android (android.graphics.Color)	4278233025 (0xFF00A7C1)
YUV	120.0310, 35.9737, -105.2672
Hunter-Lab	56.1139, -23.6220, -19.1442

Details

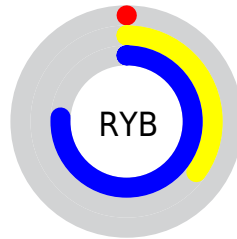
The XYZ color **23.4444, 31.4877, 55.2942** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **22.3632, 12.0784, 1.1540**, and the grayscale version is **17.7804, 18.7064, 20.3712**.

A 20% lighter version of the original color is **48.5222, 61.7973, 99.8132**, and **10.7909, 14.1255, 26.5839** is the 20% darker color. If you saturate the color by 10%, you get **23.4438, 31.4864, 55.2946**, and if you desaturate by 10%, it is **24.2014, 32.5929, 55.4682**.

Distribution



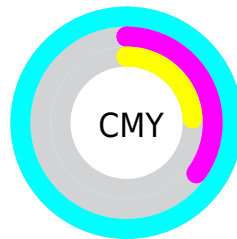
- Red (0%)
- Green (65%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4444, 31.4877, 55.2942 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 23.4444, 31.4877, 55.2942 by changing the saturation by 10% instead.

■ 23.4444, 31.4877,
55.2942

■ 23.4444, 31.4877,
55.2942

262.4923,
308.7789, 424.3395

■ 15.0445, 20.9705,
39.2371

■ 48.5833, 62.0071,
99.4473

■ 8.9371, 13.1024,
26.6350

■ 66.0530, 82.7781,
128.3805

■ 4.7570, 7.4991,
17.0693

■ 87.2767, 107.7358,
162.4427

■ 2.1387, 3.7762,
10.1214

■ 112.6197,
137.2646, 202.0526

■ 0.7101, 1.5492,
5.3729

■ 142.4475,
171.7489, 247.6287

■ 0.0000, 0.3230,
2.4051

177.1252,

■ 0.0000, 0.0000,

211.5732, 299.5895

0.7892

217.0184,
257.1217, 358.3536

■ 0.0000, 0.0000,
0.0000

■ 23.4444, 31.4877,
55.2942

■ 23.4444, 31.4877,
55.2942

■ 23.4438, 31.4864,
55.2946

■ 24.2014, 32.5929,
55.4682

■ 25.2403, 33.8572,
55.6575

■ 26.6592, 35.3317,
55.8673

■ 28.5082, 37.0425,
56.1001

■ 30.8293, 39.0111,
56.3578

■ 33.6598, 41.2570,
56.6421

■ 37.0328, 43.7973,
56.9546

■ 40.9789, 46.6477,
57.2968

■ 45.5263, 49.8230,
57.6700

Harmonies

Analogous

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



21.6554, 31.4877, 39.9014



23.4444, 31.4877, 55.2942



27.0494, 31.4877, 66.5266

Triad

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



23.4444, 31.4877, 55.2942



39.7163, 31.4877, 43.5346



28.1036, 31.4877, 14.1429

Complementary

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



23.4444, 31.4877, 55.2942



22.3632, 12.0784, 1.1540

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.



33.0042, 31.4877, 14.6217



23.4444, 31.4877, 55.2942



40.0777, 31.4877, 29.2216

Square

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



23.4444, 31.4877, 55.2942



36.5694, 31.4877, 58.5671



37.5089, 31.4877, 19.4118



24.1439, 31.4877, 17.8575

Rectangle

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



23.4444, 31.4877, 55.2942



30.1694, 31.4877, 68.6991



37.5089, 31.4877, 19.4118



29.6881, 31.4877, 13.8528

Sweetspot

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



23.4454, 31.4888, 55.2950



66.0039, 78.2034, 101.9763



19.2547, 38.2143, 7.3252



13.5877, 16.3508, 21.8252



92.9021, 97.7402, 106.4391



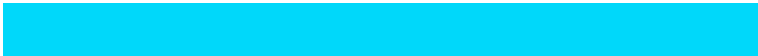
19.4759, 20.4902, 22.3138

Same Dimension

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



23.4454, 31.4888, 55.2950



41.8541, 56.1248, 98.9875



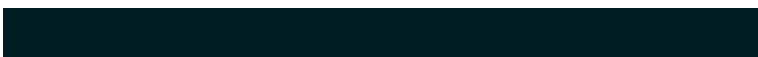
11.8665, 8.3310, 51.4353



10.2491, 11.1895, 12.9044



15.6354, 21.0273, 36.7912



0.7083, 0.9739, 1.6005

Inverse Universe

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



28.9683, 14.1287, 37.7606



51.8128, 25.2752, 67.2686



28.9831, 25.3183, 3.3606



10.4370, 10.2234, 12.3919



19.2880, 9.4050, 25.2264



0.8499, 0.4130, 1.1769

Previews

White Background



This preview shows how the XYZ color 23.4444, 31.4877, 55.2942 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 23.4444, 31.4877, 55.2942 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

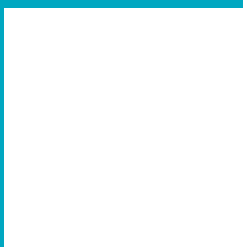
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4444, 31.4877, 55.2942

Background



This preview shows how black text looks on a background with the XYZ color 23.4444, 31.4877, 55.2942.

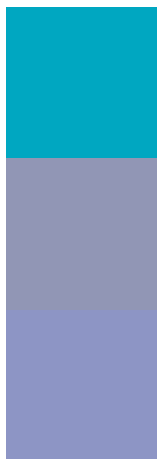


This preview shows how white text looks on a background with the XYZ color 23.4444, 31.4877,

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

23.4444, 31.4877, 55.2942

Protanopia

30.9239, 31.1686, 48.1023

Deuteranopia

31.8100, 31.1888, 57.1668



Tritanopia

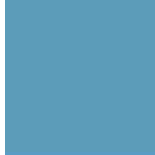
22.4461, 31.3827, 49.1304

Trichromacy



Original Color

23.4444, 31.4877, 55.2942



Protanomaly

25.0591, 29.5550, 50.2829



Deuteranomaly

26.0687, 29.9361, 56.6288



Tritanomaly

22.8656, 31.5504, 51.3391

Monochromacy



Original Color

23.4444, 31.4877, 55.2942



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

17.1926, 21.5344, 30.8542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4444, 31.4877, 55.2942 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, 167, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 193)  
}
```

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, 167, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 193) }
```

Border

The CSS property to change the border of an element to XYZ 23.4444, 31.4877, 55.2942 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, 167, 193) }
```


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

```
.border{ border-color:rgb(0, 167, 193) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4444, 31.4877, 55.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 193) }
```

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

```
.background{ background-color: rgb(0, 167,  
193) }
```

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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