

Converting Colors

XYZ(22.1872, 31.0153, 43.3708)

Have a look what the booklet for
XYZ(22.1872, 31.0153, 43.3708)
contains.

XYZ(22.2516, 31.1356, 43.3651)	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(22.2516, 31.1356,
43.3651)**

Conversions

Conversions Part 1

Format	Color
Hex	2DA7AB
RGB	45, 167, 171
RGB Percent	18%, 65%, 67%
CMY	0.8235, 0.3451, 0.3294
CMYK	0.74, 0.02, 0.00, 0.33
HSL	182°, 58%, 42%
HSV	182°, 74%, 67%
XYZ	22.2516, 31.1356, 43.3651
YIQ	130.9780, -73.9960, -24.6200

Conversions

Conversions Part 2

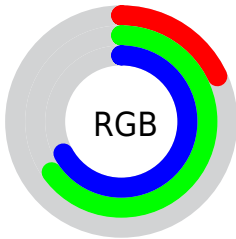
Format	Color
RYB	45, 107, 171
Decimal	2992043
CIELab	62.62, -30.73, -11.59
CIELCh	63, 32.841, 200.672
Yxy	31.1356, 0.2300, 0.3218
Android (android.graphics.Color)	4281182123 (0xFF2DA7AB)
YUV	130.9780, 19.7308, -75.4027
Hunter-Lab	55.7993, -26.4666, -7.0185

Details

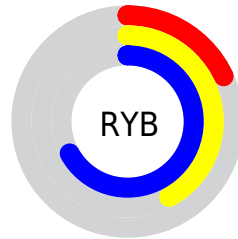
The XYZ color **22.2516, 31.1356, 43.3651** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.3673, 11.0448, 3.6473**, and the grayscale version is **21.5175, 22.6381, 24.6529**.

A 20% lighter version of the original color is **46.6707, 61.6458, 81.3905**, and **9.3471, 13.3665, 19.5401** is the 20% darker color. If you saturate the color by 10%, you get **21.5472, 30.6258, 43.3044**, and if you desaturate by 10%, it is **23.2631, 31.8056, 43.4417**.

Distribution



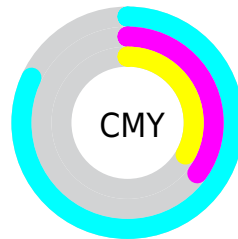
- Red (18%)
- Green (65%)
- Blue (67%)



- Red (18%)
- Yellow (42%)
- Blue (67%)



- Cyan (74%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)



- Cyan (82%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2516, 31.1356, 43.3651 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 22.2516, 31.1356, 43.3651 by changing the saturation by 10% instead.

■ 22.2516, 31.1356,
43.3651

■ 22.2516, 31.1356,
43.3651

256.4651,
307.1625, 376.0763

■ 14.1595, 20.7021,
29.8382

■ 46.6372, 61.4535,
81.5538

■ 8.3141, 12.9064,
19.4648

■ 63.6615, 82.1067,
107.0526

■ 4.3501, 7.3642,
11.8264

■ 84.3939, 106.9353,
137.3791

■ 1.9020, 3.6909,
6.5045

■ 109.1998,
136.3236, 172.9519

■ 0.5780, 1.5022,
3.0805

■ 138.4445,
170.6561, 214.1895

■ 0.0000, 0.2903,
1.1359

172.4934,

■ 0.0000, 0.0000,

210.3172, 261.5104

0.0000

211.7118,
255.6912, 315.3332

■ 22.2516, 31.1356,
43.3651

■ 22.2516, 31.1356,
43.3651

■ 21.5472, 30.6258,
43.3044

■ 23.2631, 31.8056,
43.4417

■ 21.1074, 30.2525,
43.2555

■ 24.6115, 32.6493,
43.5335

■ 20.9097, 30.0581,
43.2284

■ 26.3266, 33.6826,
43.6425

■ 28.4339, 34.9187,
43.7700

■ 30.9566, 36.3696,
43.9171

■ 33.9163, 38.0464,
44.0848

■ 37.3330, 39.9594,
44.2740

■ 41.2253, 42.1183,
44.4855

■ 45.6111, 44.5321,
44.7203

Harmonies

Analogous

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



21.8896, 31.1356, 30.0625



22.2516, 31.1356, 43.3651



24.4689, 31.1356, 56.7564

Triad

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



22.2516, 31.1356, 43.3651



36.7600, 31.1356, 52.0375



31.0099, 31.1356, 14.9367

Complementary

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



22.2516, 31.1356, 43.3651



18.3673, 11.0448, 3.6473

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.



35.3877, 31.1356, 18.1902



22.2516, 31.1356, 43.3651



38.9210, 31.1356, 38.0539

Square

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



22.2516, 31.1356, 43.3651



32.7358, 31.1356, 62.5754



38.3950, 31.1356, 25.9256



26.6589, 31.1356, 15.6786

Rectangle

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



22.2516, 31.1356, 43.3651



26.8363, 31.1356, 62.8736



38.3950, 31.1356, 25.9256



32.5333, 31.1356, 15.5606

Sweetspot

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



22.2526, 31.1368, 43.3658



56.0801, 65.4996, 78.6888



16.1610, 29.8905, 7.6185



12.2199, 14.4434, 17.5315



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.2526, 31.1368, 43.3658



38.0741, 54.4284, 77.5009



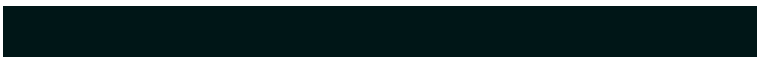
13.5776, 13.7869, 40.4742



8.2142, 9.0278, 10.2623



15.7702, 22.6743, 32.5899



0.4453, 0.6440, 0.9088

Inverse Universe

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



24.7089, 13.3256, 37.8302



42.8116, 21.2125, 66.5694



22.8559, 20.0221, 5.1435



8.3259, 8.1436, 10.0272



17.8237, 8.5920, 27.7808



0.4992, 0.2404, 0.7904

Previews

White Background



This preview shows how the XYZ color 22.2516, 31.1356, 43.3651 looks on a white background.

Color Contrast Check

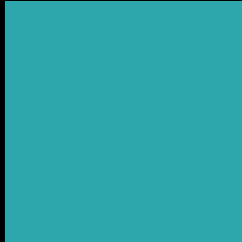
Large Text (above 18pt) WCAG AA × Fail

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 22.2516, 31.1356, 43.3651 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

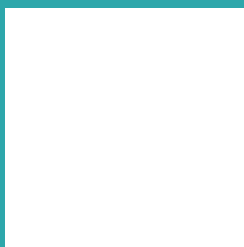
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2516, 31.1356, 43.3651

Background



This preview shows how black text looks on a background with the XYZ color 22.2516, 31.1356, 43.3651.

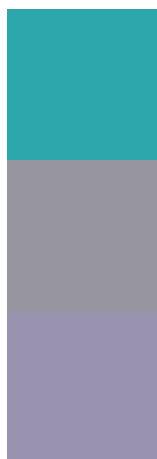


This preview shows how white text looks on a background with the XYZ color 22.2516, 31.1356,

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

22.2516, 31.1356, 43.3651

Protanopia

29.6703, 30.5170, 37.5843

Deuteranopia

31.3085, 30.7349, 44.8397



Tritanopia

23.1381, 31.2309, 47.4565

Trichromacy



Original Color

22.2516, 31.1356, 43.3651

Protanomaly

25.2714, 29.9020, 39.5617

Deuteranomaly

26.1350, 29.7446, 44.4082

Tritanomaly

22.7393, 31.0600, 45.8710

Monochromacy



Original Color

22.2516, 31.1356, 43.3651

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.4171, 24.7312, 30.8916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2516, 31.1356, 43.3651 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(45, 167, 171)` looks like.

```
.text, #text, p{  
    color:rgb(45, 167, 171)  
}
```

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(45, 167, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 167, 171) }
```

Border

The CSS property to change the border of an element to XYZ 22.2516, 31.1356, 43.3651 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(45, 167, 171) }
```


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

```
.border{ border-color:rgb(45, 167, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 167, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 167, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 167, 171);  
box-shadow:4px 4px 4px 4px rgb(45, 167,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2516, 31.1356, 43.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 167, 171) }
```

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

```
.background{ background-color: rgb(45, 167,  
171) }
```

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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