

Converting Colors

XYZ(22.4817, 31.6193, 42.1113)

Have a look what the booklet for
XYZ(22.4817, 31.6193, 42.1113)
contains.

XYZ(22.4358, 31.5362, 41.9504)	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(22.4358, 31.5362,
41.9504)**

Conversions

Conversions Part 1

Format	Color
Hex	33A8A8
RGB	51, 168, 168
RGB Percent	20%, 66%, 66%
CMY	0.8000, 0.3412, 0.3412
CMYK	0.70, 0.00, 0.00, 0.34
HSL	180°, 53%, 43%
HSV	180°, 70%, 66%
XYZ	22.4358, 31.5362, 41.9504
YIQ	133.0170, -69.7320, -24.8040

Conversions

Conversions Part 2

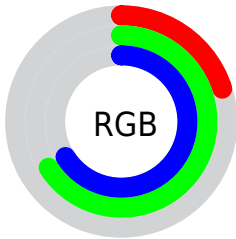
Format	Color
RYB	51, 110, 168
Decimal	3385512
CIELab	62.96, -31.33, -9.40
CIELCh	63, 32.705, 196.698
Yxy	31.5362, 0.2339, 0.3288
Android (android.graphics.Color)	4281575592 (0xFF33A8A8)
YUV	133.0170, 17.2466, -71.9289
Hunter-Lab	56.1571, -26.9609, -4.9808

Details

The XYZ color **22.4358, 31.5362, 41.9504** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.9309, 10.9326, 4.2983**, and the grayscale version is **22.2592, 23.4184, 25.5026**.

A 20% lighter version of the original color is **47.0452, 62.2839, 79.3545**, and **9.2831, 13.5224, 18.6438** is the 20% darker color. If you saturate the color by 10%, you get **21.7376, 31.1770, 41.9183**, and if you desaturate by 10%, it is **23.4417, 32.0554, 41.9983**.

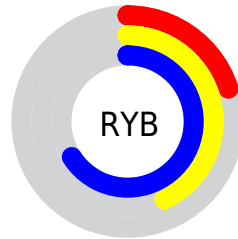
Distribution



Red (20%)

Green (66%)

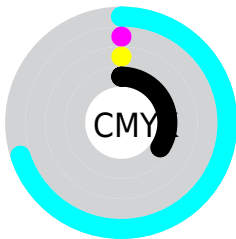
Blue (66%)



Red (20%)

Yellow (43%)

Blue (66%)

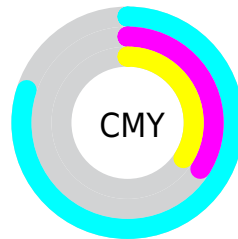


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (80%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4358, 31.5362, 41.9504 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 22.4358, 31.5362, 41.9504 by changing the saturation by 10% instead.

■ 22.4358, 31.5362,
41.9504

■ 22.4358, 31.5362,
41.9504

257.4036,
309.0010, 370.0709

■ 14.2959, 21.0075,
28.7372

■ 46.9387, 62.0833,
79.3938

■ 8.4098, 13.1295,
18.6382

■ 64.0325, 82.8705,
104.4611

■ 4.4123, 7.5178,
11.2350

■ 84.8415, 107.8459,
134.3168

■ 1.9379, 3.7880,
6.1090

■ 109.7311,
137.3940, 169.3795

■ 0.5987, 1.5557,
2.8416

■ 139.0668,
171.8992, 210.0677

■ 0.0000, 0.3274,
1.0143

173.2139,

■ 0.0000, 0.0000,

211.7458, 256.8000

0.0000

212.5377,
257.3183, 309.9949

■ 22.4358, 31.5362,
41.9504

■ 22.4358, 31.5362,
41.9504

■ 21.7376, 31.1770,
41.9183

■ 23.4417, 32.0554,
41.9983

■ 21.3096, 30.9563,
41.8982

■ 24.7820, 32.7464,
42.0611

■ 21.0786, 30.8373,
41.8873

■ 26.4839, 33.6238,
42.1408

■ 21.0710, 30.8333,
41.8870

■ 28.5709, 34.6996,
42.2386

■ 31.0644, 35.9851,
42.3554

■ 33.9846, 37.4905,
42.4921

■ 37.3499, 39.2254,
42.6497

■ 41.1780, 41.1988,
42.8289

■ 45.4854, 43.4194,
43.0306

Harmonies

Analogous

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



22.3267, 31.5362, 28.9524



22.4358, 31.5362, 41.9504



24.4297, 31.5362, 55.6801

Triad

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



22.4358, 31.5362, 41.9504



36.7129, 31.5362, 54.2610



32.0067, 31.5362, 15.4455

Complementary

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



22.4358, 31.5362, 41.9504



17.9309, 10.9326, 4.2983

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.



36.3000, 31.5362, 19.2926



22.4358, 31.5362, 41.9504



39.1946, 31.5362, 40.3522

Square

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



22.4358, 31.5362, 41.9504



32.5263, 31.5362, 63.9149



39.0363, 31.5362, 27.7064



27.5593, 31.5362, 15.6694

Rectangle

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



22.4358, 31.5362, 41.9504



26.6842, 31.5362, 62.4508



39.0363, 31.5362, 27.7064



33.5241, 31.5362, 16.2545

Sweetspot

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



22.4368, 31.5374, 41.9512



55.5238, 64.8624, 76.8180



16.0668, 29.0010, 7.8839



11.8340, 13.9992, 16.7304



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.4368, 31.5374, 41.9512



38.9315, 56.3088, 76.0405



14.1681, 14.9998, 39.1955



7.7476, 8.5321, 9.6568



15.9115, 23.2834, 31.6304



0.3871, 0.5665, 0.7696

Inverse Universe

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



17.9309, 10.9326, 4.2983



30.2121, 16.4358, 3.1772



22.0625, 19.1958, 5.6753



7.5311, 7.5423, 7.8482



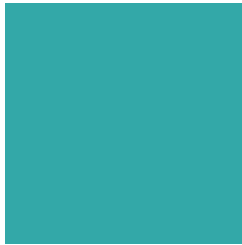
12.1947, 6.2866, 0.5707



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 22.4358, 31.5362, 41.9504 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 22.4358, 31.5362, 41.9504 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

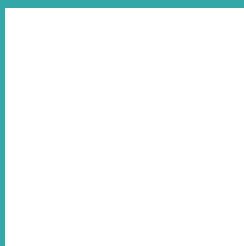
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4358, 31.5362, 41.9504

Background



This preview shows how black text looks on a background with the XYZ color 22.4358, 31.5362, 41.9504.

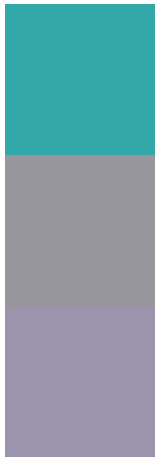


This preview shows how white text looks on a background with the XYZ color 22.4358, 31.5362,

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

22.4358, 31.5362, 41.9504

Protanopia

29.9410, 30.9224, 36.2888

Deuteranopia

31.6868, 30.9525, 43.8395



Tritanopia

23.6194, 31.4673, 48.0089

Trichromacy



Original Color

22.4358, 31.5362, 41.9504

Protanomaly

25.5602, 30.3320, 38.2257

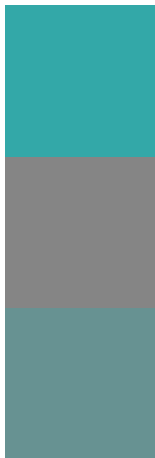
Deuteranomaly

26.5432, 30.2345, 42.9649

Tritanomaly

23.2307, 31.5842, 45.9463

Monochromacy



Original Color

22.4358, 31.5362, 41.9504

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.0607, 25.5167, 31.0093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4358, 31.5362, 41.9504 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(51, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(51, 168, 168)  
}
```

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(51, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 168, 168) }
```

Border

The CSS property to change the border of an element to XYZ 22.4358, 31.5362, 41.9504 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(51, 168, 168) }
```


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

```
.border{ border-color:rgb(51, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(51, 168,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4358, 31.5362, 41.9504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 168, 168) }
```

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

```
.background{ background-color: rgb(51, 168,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor