

Converting Colors

XYZ(23.1958, 31.3409, 40.7843)

Have a look what the booklet for
XYZ(23.1958, 31.3409, 40.7843)
contains.

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Color

**XYZ(23.2668, 31.4421,
40.9190)**

Conversions

Conversions Part 1

Format	Color
Hex	49A6A6
RGB	73, 166, 166
RGB Percent	29%, 65%, 65%
CMY	0.7137, 0.3490, 0.3490
CMYK	0.56, 0.00, 0.00, 0.35
HSL	180°, 39%, 47%
HSV	180°, 56%, 65%
XYZ	23.2668, 31.4421, 40.9190
YIQ	138.1930, -55.4280, -19.7160

Conversions

Conversions Part 2

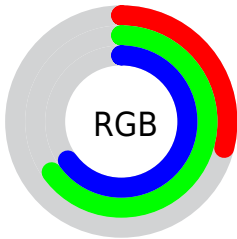
Format	Color
RYB	73, 120, 166
Decimal	4826790
CIELab	62.88, -27.22, -8.33
CIELCh	63, 28.464, 197.016
Yxy	31.4421, 0.2433, 0.3288
Android (android.graphics.Color)	4283016870 (0xFF49A6A6)
YUV	138.1930, 13.7089, -57.1743
Hunter-Lab	56.0733, -24.0622, -4.0151

Details

The XYZ color **23.2668, 31.4421, 40.9190** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.3121, 13.3541, 7.8641**, and the grayscale version is **24.1965, 25.4566, 27.7222**.

A 20% lighter version of the original color is **48.1135, 61.6792, 77.7760**, and **9.0546, 13.2495, 17.9998** is the 20% darker color. If you saturate the color by 10%, you get **22.1733, 30.8791, 40.8684**, and if you desaturate by 10%, it is **24.6979, 32.1806, 40.9868**.

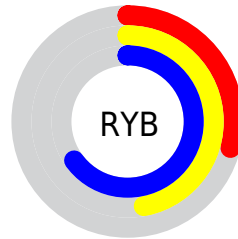
Distribution



Red (29%)

Green (65%)

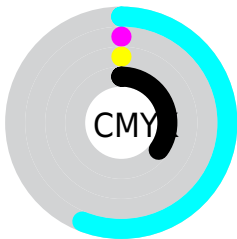
Blue (65%)



Red (29%)

Yellow (47%)

Blue (65%)

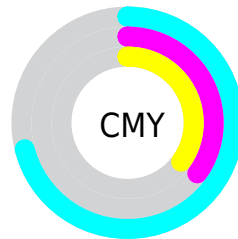


Cyan (56%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (71%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2668, 31.4421, 40.9190 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 23.2668, 31.4421, 40.9190 by changing the saturation by 10% instead.

■ 23.2668, 31.4421,
40.9190

■ 23.2668, 31.4421,
40.9190

261.6022,
308.5699, 365.6486

■ 14.9124, 20.9357,
27.9366

■ 48.2945, 61.9354,
77.8133

■ 8.8439, 13.0770,
18.0392

■ 65.6985, 82.6912,
102.5622

■ 4.6958, 7.4816,
10.8084

■ 86.8497, 107.6322,
132.0703

■ 2.1028, 3.7651,
5.8256

■ 112.1136,
137.1429, 166.7562

■ 0.6907, 1.5430,
2.6723

■ 141.8554,
171.6076, 207.0385

■ 0.0000, 0.3187,
0.9294

176.4406,

■ 0.0000, 0.0000,

211.4107, 253.3356

0.0000

216.2344,
256.9367, 306.0661

■ 23.2668, 31.4421,
40.9190

■ 23.2668, 31.4421,
40.9190

■ 22.1733, 30.8791,
40.8684

■ 24.6979, 32.1806,
40.9868

■ 21.3872, 30.4738,
40.8314

■ 26.4881, 33.1034,
41.0707

■ 20.8777, 30.2112,
40.8075

■ 28.6604, 34.2233,
41.1726

■ 20.6023, 30.0692,
40.7944

■ 31.2352, 35.5506,
41.2932

■ 20.5196, 30.0266,
40.7905

■ 34.2313, 37.0952,
41.4336

■ 37.6665, 38.8661,
41.5945

■ 41.5574, 40.8720,
41.7767

■ 45.9199, 43.1209,
41.9810

■ 50.7690, 45.6207,
42.2081

Harmonies

Analogous

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



23.1513, 31.4421, 29.6291



23.2668, 31.4421, 40.9190



25.0539, 31.4421, 52.4912

Triad

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



23.2668, 31.4421, 40.9190



35.7188, 31.4421, 51.0817



31.6030, 31.4421, 17.2702

Complementary

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



23.2668, 31.4421, 40.9190



19.3121, 13.3541, 7.8641

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.



35.2998, 31.4421, 20.7945



23.2668, 31.4421, 40.9190



37.8116, 31.4421, 39.2953

Square

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



23.2668, 31.4421, 40.9190



32.1356, 31.4421, 59.1783



37.6519, 31.4421, 28.3218



27.7416, 31.4421, 17.5195

Rectangle

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



23.2668, 31.4421, 40.9190



27.0488, 31.4421, 58.0828



37.6519, 31.4421, 28.3218



32.9124, 31.4421, 18.0137

Sweetspot

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



23.2677, 31.4433, 40.9197



56.0400, 64.1852, 74.9102



17.7064, 29.2325, 11.0133



12.3317, 14.2557, 16.7537



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.



23.2677, 31.4433, 40.9197



39.8774, 55.8532, 74.1524



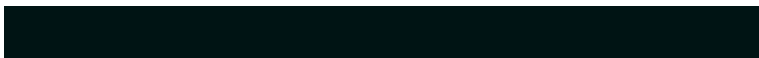
16.4750, 17.8577, 38.6563



7.7476, 8.5321, 9.6568



15.9114, 23.2833, 31.6299



0.3871, 0.5665, 0.7696

Inverse Universe

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



19.3121, 13.3541, 7.8641



31.9824, 19.7491, 8.1771



23.4022, 21.5343, 9.2272



7.5311, 7.5423, 7.8482



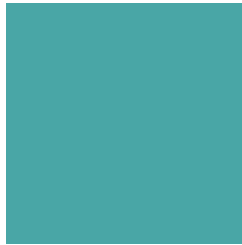
12.1947, 6.2866, 0.5708



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 23.2668, 31.4421, 40.9190 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 23.2668, 31.4421, 40.9190 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

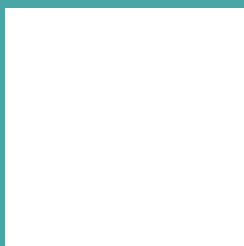
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2668, 31.4421, 40.9190

Background



This preview shows how black text looks on a background with the XYZ color 23.2668, 31.4421, 40.9190.

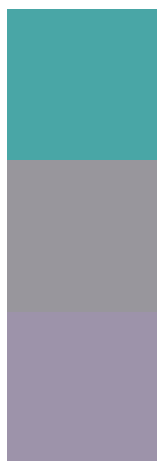


This preview shows how white text looks on a background with the XYZ color 23.2668, 31.4421,

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

23.2668, 31.4421, 40.9190

Protanopia

29.8560, 30.8884, 35.8410

Deuteranopia

31.5940, 30.9378, 42.3366



Tritanopia

24.4532, 31.3850, 46.8886

Trichromacy



Original Color

23.2668, 31.4421, 40.9190

Protanomaly

26.4020, 30.5260, 37.7583

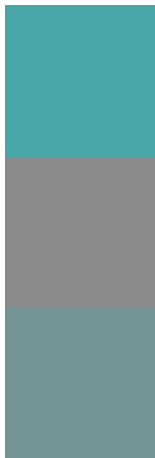
Deuteranomaly

27.3212, 30.4114, 41.9661

Tritanomaly

24.0756, 31.5028, 44.8561

Monochromacy



Original Color

23.2668, 31.4421, 40.9190

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.8746, 26.8953, 32.0027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2668, 31.4421, 40.9190 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(73, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(73, 166, 166)  
}
```

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(73, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 166, 166) }
```

Border

The CSS property to change the border of an element to XYZ 23.2668, 31.4421, 40.9190 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(73, 166, 166) }
```


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

```
.border{ border-color:rgb(73, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 166, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 166, 166); box-shadow:4px 4px 4px 4px rgb(73, 166, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2668, 31.4421, 40.9190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 166, 166) }
```

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

```
.background{ background-color: rgb(73, 166,  
166) }
```

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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