

Converting Colors

XYZ(23.3906, 40.7951, 22.7194)

Have a look what the booklet for
XYZ(23.3906, 40.7951, 22.7194)
contains.

XYZ(23.3372, 40.6431, 22.8346)	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(23.3372, 40.6431,
22.8346)**

Conversions

Conversions Part 1

Format	Color
Hex	24C373
RGB	36, 195, 115
RGB Percent	14%, 76%, 45%
CMY	0.8588, 0.2353, 0.5490
CMYK	0.82, 0.00, 0.41, 0.24
HSL	150°, 69%, 45%
HSV	150°, 82%, 76%
XYZ	23.3372, 40.6431, 22.8346
YIQ	138.3390, -69.0840, -58.5880

Conversions

Conversions Part 2

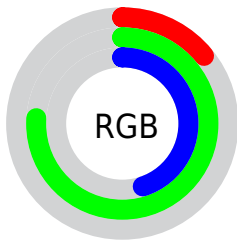
Format	Color
RYB	36, 142, 195
Decimal	2409331
CIELab	69.93, -57.27, 29.32
CIELCh	70, 64.343, 152.889
Yxy	40.6431, 0.2688, 0.4682
Android (android.graphics.Color)	4280599411 (0xFF24C373)
YUV	138.3390, -11.5061, -89.7513
Hunter-Lab	63.7519, -46.2237, 23.3899

Details

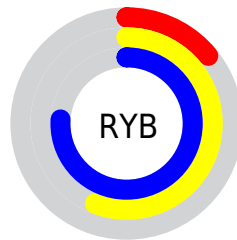
The XYZ color **23.3372, 40.6431, 22.8346** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **26.2903, 14.1257, 17.8657**, and the grayscale version is **24.3497, 25.6178, 27.8978**.

A 20% lighter version of the original color is **48.4998, 76.3289, 49.2225**, and **10.3615, 19.1495, 8.3044** is the 20% darker color. If you saturate the color by 10%, you get **22.2979, 40.1702, 19.9944**, and if you desaturate by 10%, it is **24.8090, 41.3342, 26.0106**.

Distribution



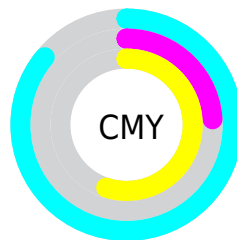
- Red (14%)
- Green (76%)
- Blue (45%)



- Red (14%)
- Yellow (56%)
- Blue (76%)



- Cyan (82%)
- Magenta (0%)
- Yellow (41%)
- Black (24%)





- Cyan (86%)
- Magenta (24%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3372, 40.6431, 22.8346 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 23.3372, 40.6431, 22.8346 by changing the saturation by 10% instead.


 23.3372, 40.6431,
22.8346


 23.3372, 40.6431,
22.8346


261.9553,
348.8267, 279.9687


 14.9648, 28.0403,
14.2673


 48.4090, 76.1418,
49.0413


 8.8808, 18.3561,
8.1659


 65.8391, 99.8065,
67.5178


 4.7200, 11.2059,
4.1120


 87.0191, 127.9273,
90.1345

 2.1170, 6.2055,
1.6870

 112.3144,
160.8887, 117.3098

 0.6984, 2.9704,
0.3518

 142.0903,
199.0749, 149.4623

 0.0000, 1.1163,
0.0000

176.7122,

 0.0000, 0.0000,

242.8703, 187.0106

0.0000

216.5454,
292.6595, 230.3732

■ 23.3372, 40.6431,
22.8346

■ 23.3372, 40.6431,
22.8346

■ 22.2979, 40.1702,
19.9944

■ 24.8090, 41.3342,
26.0106

■ 21.6682, 39.8927,
17.8395

■ 26.7648, 42.2666,
29.5314

■ 29.2516, 43.4653,
33.4091

■ 32.3096, 44.9510,
37.6543

■ 35.9753, 46.7422,
42.2769

■ 40.2816, 48.8557,
47.2864

■ 45.2594, 51.3074,
52.6920

■ 50.9371, 54.1116,
58.5026

■ 57.3419, 57.2823,
64.7268

Harmonies

Analogous

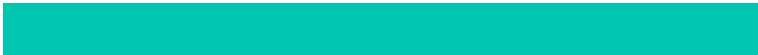
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.6961, 40.6431, 11.3466



23.3372, 40.6431, 22.8346



21.8093, 40.6431, 47.2242

Triad

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



23.3372, 40.6431, 22.8346



39.6539, 40.6431, 130.4323



58.1228, 40.6431, 19.7465

Complementary

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



23.3372, 40.6431, 22.8346



26.2903, 14.1257, 17.8657

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.



62.4286, 40.6431, 41.4099



23.3372, 40.6431, 22.8346



50.6267, 40.6431, 112.4777

Square

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



23.3372, 40.6431, 22.8346



30.1623, 40.6431, 117.9785



59.4657, 40.6431, 76.0737



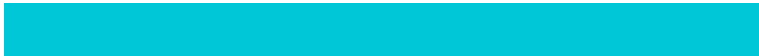
48.5506, 40.6431, 10.2135

Rectangle

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



23.3372, 40.6431, 22.8346



22.8922, 40.6431, 70.6829



59.4657, 40.6431, 76.0737



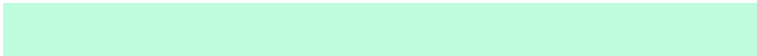
60.3051, 40.6431, 25.4014

Sweetspot

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



23.3382, 40.6447, 22.8355



69.8353, 86.3643, 82.0717



27.3265, 43.0215, 8.5332



14.6765, 18.6102, 17.2572



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.3382, 40.6447, 22.8355



38.9093, 71.4941, 32.1602



29.7972, 43.2283, 56.8481



10.1484, 11.3404, 11.7849



14.1250, 25.9441, 11.8174



0.6451, 1.1349, 0.6939

Inverse Universe

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



26.2903, 14.1257, 17.8657



44.3607, 22.4883, 22.9568



23.4981, 13.0088, 3.1621



10.2798, 10.1605, 11.5642



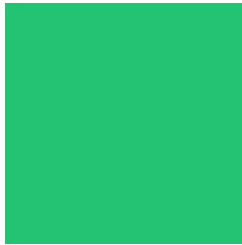
16.1064, 8.1323, 8.4724



0.7307, 0.3653, 0.5493

Previews

White Background



This preview shows how the XYZ color 23.3372, 40.6431, 22.8346 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 23.3372, 40.6431, 22.8346 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

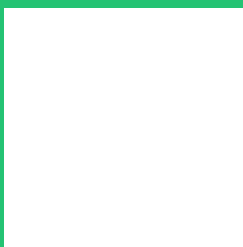
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3372, 40.6431, 22.8346

Background



This preview shows how black text looks on a background with the XYZ color 23.3372, 40.6431, 22.8346.



This preview shows how white text looks on a background with the XYZ color 23.3372, 40.6431,

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

23.3372, 40.6431, 22.8346

Protanopia

36.7454, 39.7101, 19.0927

Deuteranopia

40.5829, 39.6882, 24.2605



Tritanopia

30.9162, 40.4878, 60.8290

Trichromacy



Original Color

23.3372, 40.6431, 22.8346



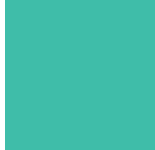
Protanomaly

28.0408, 37.7702, 20.2805



Deuteranomaly

29.5107, 37.2909, 23.4118



Tritanomaly

27.4089, 40.3165, 43.8734

Monochromacy



Original Color

23.3372, 40.6431, 22.8346



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.7942, 29.1747, 25.6017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3372, 40.6431, 22.8346 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(36, 195, 115)` looks like.

```
.text, #text, p{  
    color:rgb(36, 195, 115)  
}
```

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(36, 195, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 195, 115) }
```

Border

The CSS property to change the border of an element to XYZ 23.3372, 40.6431, 22.8346 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(36, 195, 115) }
```


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

```
.border{ border-color:rgb(36, 195, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 195, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 195, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 195, 115);  
box-shadow:4px 4px 4px 4px rgb(36, 195,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3372, 40.6431, 22.8346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 195, 115) }
```

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

```
.background{ background-color: rgb(36, 195,  
115) }
```

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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