

Converting Colors

XYZ(23.2006, 40.5438, 24.2346)

Have a look what the booklet for
XYZ(23.2006, 40.5438, 24.2346)
contains.

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Color

**XYZ(23.2361, 40.5569,
24.3729)**

Conversions

Conversions Part 1

Format	Color
Hex	16C378
RGB	22, 195, 120
RGB Percent	9%, 76%, 47%
CMY	0.9137, 0.2353, 0.5294
CMYK	0.89, 0.00, 0.38, 0.24
HSL	154°, 80%, 43%
HSV	154°, 89%, 76%
XYZ	23.2361, 40.5569, 24.3729
YIQ	134.7230, -79.0330, -60.0010

Conversions

Conversions Part 2

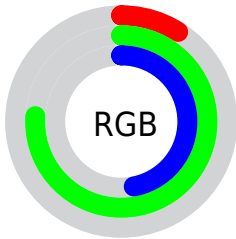
Format	Color
RYB	22, 132, 195
Decimal	1491832
CIELab	69.86, -57.46, 26.61
CIELCh	70, 63.325, 155.156
Yxy	40.5569, 0.2635, 0.4600
Android (android.graphics.Color)	4279681912 (0xFF16C378)
YUV	134.7230, -7.2584, -98.8581
Hunter-Lab	63.6843, -46.3193, 21.8879

Details

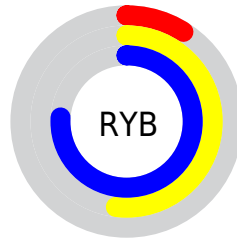
The XYZ color **23.2361, 40.5569, 24.3729** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.9515, 13.0397, 12.5123**, and the grayscale version is **22.9745, 24.1709, 26.3222**.

A 20% lighter version of the original color is **48.3770, 76.2107, 51.6956**, and **10.5154, 19.2111, 9.1151** is the 20% darker color. If you saturate the color by 10%, you get **22.4468, 40.2078, 21.7754**, and if you desaturate by 10%, it is **24.3770, 41.0842, 27.2251**.

Distribution



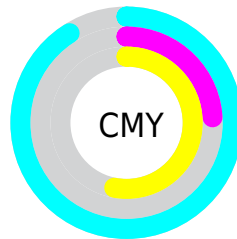
- Red (9%)
- Green (76%)
- Blue (47%)



- Red (9%)
- Yellow (52%)
- Blue (76%)



- Cyan (89%)
- Magenta (0%)
- Yellow (38%)
- Black (24%)





- Cyan (91%)
- Magenta (24%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2361, 40.5569, 24.3729 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 23.2361, 40.5569, 24.3729 by changing the saturation by 10% instead.


 23.2361, 40.5569,
24.3729


 23.2361, 40.5569,
24.3729


261.4481,
348.4653, 288.0474


 14.8896, 27.9730,
15.3957


 48.2445, 76.0108,
51.5895


 8.8277, 18.3053,
8.9479


 65.6371, 99.6496,
70.6659


 4.6852, 11.1694,
4.6109


 86.7759, 127.7422,
93.9459

 2.0966, 6.1809,
1.9661

 112.0260,
160.6729, 121.8480

 0.6874, 2.9554,
0.5343

 141.7529,
198.8262, 154.7906

 0.0000, 1.1085,
0.0000

176.3220,

 0.0000, 0.0000,

242.5864, 193.1923

0.0000

216.0986,
292.3380, 237.4718

■ 23.2361, 40.5569,
24.3729

■ 23.2361, 40.5569,
24.3729

■ 22.4468, 40.2078,
21.7754

■ 24.3770, 41.0842,
27.2251

■ 22.3556, 40.1677,
21.4592

■ 25.9495, 41.8276,
30.3390

■ 28.0059, 42.8149,
33.7236

■ 30.5896, 44.0684,
37.3864

■ 33.7390, 45.6079,
41.3345

■ 37.4889, 47.4511,
45.5747

■ 41.8712, 49.6143,
50.1133

■ 46.9152, 52.1126,
54.9568

■ 52.6487, 54.9602,
60.1110

Harmonies

Analogous

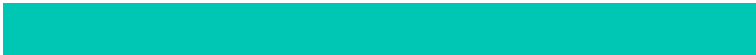
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.2405, 40.5569, 12.1426



23.2361, 40.5569, 24.3729



22.0088, 40.5569, 49.4500

Triad

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



23.2361, 40.5569, 24.3729



40.3537, 40.5569, 128.0570



57.0943, 40.5569, 18.9070

Complementary

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



23.2361, 40.5569, 24.3729



24.9515, 13.0397, 12.5123

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.



61.8039, 40.5569, 39.2606



23.2361, 40.5569, 24.3729



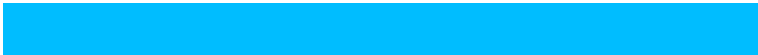
51.1007, 40.5569, 108.5831

Square

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



23.2361, 40.5569, 24.3729



30.8179, 40.5569, 118.1266



59.4359, 40.5569, 72.5044



47.4736, 40.5569, 10.1141

Rectangle

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



23.2361, 40.5569, 24.3729



23.2685, 40.5569, 72.8933



59.4359, 40.5569, 72.5044



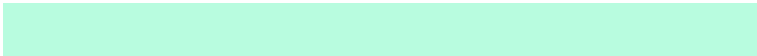
59.3753, 40.5569, 24.1857

Sweetspot

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



23.2371, 40.5585, 24.3738



68.0940, 85.4521, 82.6461



24.9001, 41.7907, 7.5133



14.3609, 18.4417, 17.5009



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.



23.2371, 40.5585, 24.3738



39.9101, 71.8871, 37.7604



27.8152, 39.3779, 57.7665



10.1781, 11.3523, 11.9409



14.5722, 26.1230, 14.1723



0.6637, 1.1423, 0.7917

Inverse Universe

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



24.9515, 13.0397, 12.5123



43.0924, 21.8933, 16.5487



23.1324, 12.6225, 1.9764



10.2504, 10.1488, 11.4094



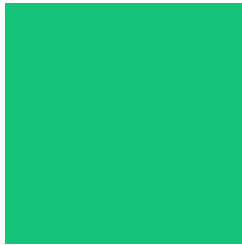
15.7219, 7.9785, 6.4475



0.7138, 0.3585, 0.4604

Previews

White Background



This preview shows how the XYZ color 23.2361, 40.5569, 24.3729 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 23.2361, 40.5569, 24.3729 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 23.2361, 40.5569, 24.3729

Background



This preview shows how black text looks on a background with the XYZ color 23.2361, 40.5569, 24.3729.

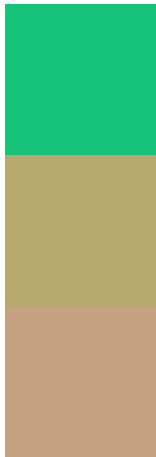


This preview shows how white text looks on a background with the XYZ color 23.2361, 40.5569,

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

23.2361, 40.5569, 24.3729

Protanopia

36.7696, 39.6921, 20.4752

Deuteranopia

40.3698, 39.5413, 25.9266



Tritanopia

30.4468, 40.2458, 60.8071

Trichromacy



Original Color

23.2361, 40.5569, 24.3729



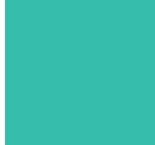
Protanomaly

27.4151, 37.4157, 21.6966



Deuteranomaly

28.8294, 36.9037, 25.0057



Tritanomaly

27.0696, 40.1197, 44.8452

Monochromacy



Original Color

23.2361, 40.5569, 24.3729



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.7023, 28.1053, 25.4528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2361, 40.5569, 24.3729 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(22, 195, 120)` looks like.

```
.text, #text, p{  
    color:rgb(22, 195, 120)  
}
```

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(22, 195, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 195, 120) }
```

Border

The CSS property to change the border of an element to XYZ 23.2361, 40.5569, 24.3729 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(22, 195, 120) }
```


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

```
.border{ border-color:rgb(22, 195, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 195, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 195, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 195, 120);  
box-shadow:4px 4px 4px 4px rgb(22, 195,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2361, 40.5569, 24.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 195, 120) }
```

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

```
.background{ background-color: rgb(22, 195,  
120) }
```

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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