

Converting Colors

XYZ(23.1457, 40.7173, 15.8663)

Have a look what the booklet for
XYZ(23.1457, 40.7173, 15.8663)
contains.

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Color

**XYZ(23.1400, 40.6955,
15.8679)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC358
RGB	60, 195, 88
RGB Percent	24%, 76%, 35%
CMY	0.7647, 0.2353, 0.6549
CMYK	0.69, 0.00, 0.55, 0.24
HSL	132°, 53%, 50%
HSV	132°, 69%, 76%
XYZ	23.1400, 40.6955, 15.8679
YIQ	142.4370, -46.1130, -61.8970

Conversions

Conversions Part 2

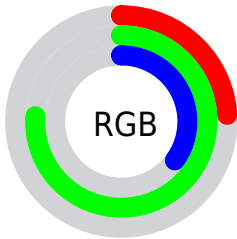
Format	Color
RYB	60, 172, 195
Decimal	3982168
CIELab	69.96, -58.32, 42.96
CIELCh	70, 72.434, 143.621
Yxy	40.6955, 0.2903, 0.5106
Android (android.graphics.Color)	4282172248 (0xFF3CC358)
YUV	142.4370, -26.8374, -72.2972
Hunter-Lab	63.7930, -46.8895, 29.9073

Details

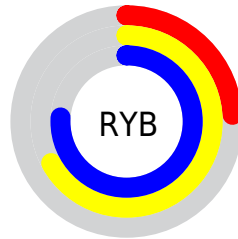
The XYZ color **23.1400, 40.6955, 15.8679** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **31.0976, 17.6244, 38.3225**, and the grayscale version is **26.0015, 27.3556, 29.7902**.

A 20% lighter version of the original color is **48.1711, 76.4291, 37.0244**, and **9.7120, 18.8897, 4.8845** is the 20% darker color. If you saturate the color by 10%, you get **21.5982, 39.9681, 12.8012**, and if you desaturate by 10%, it is **25.2534, 41.7042, 19.6717**.

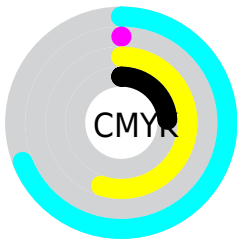
Distribution



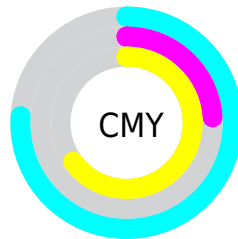
- Red (24%)
- Green (76%)
- Blue (35%)



- Red (24%)
- Yellow (67%)
- Blue (76%)



- Cyan (69%)
- Magenta (0%)
- Yellow (55%)
- Black (24%)





- Cyan (76%)
- Magenta (24%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1400, 40.6955, 15.8679 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 23.1400, 40.6955, 15.8679 by changing the saturation by 10% instead.


 23.1400, 40.6955,
15.8679


 23.1400, 40.6955,
15.8679


260.9652,
349.0464, 240.3800


 14.8182, 28.0812,
9.2774


 48.0881, 76.2214,
37.1323


 8.7774, 18.3869,
4.8233


 65.4450, 99.9019,
52.6433


 4.6522, 11.2281,
2.0870


 86.5444, 128.0399,
71.9648

 2.0773, 6.2205,
0.6080

 111.7516,
161.0198, 95.5155

 0.6768, 2.9796,
0.0000

 141.4319,
199.2260, 123.7138

 0.0000, 1.1211,
0.0000

175.9507,

 0.0000, 0.0000,

243.0429, 156.9783

0.0000

215.6733,
292.8549, 195.7275

■ 23.1400, 40.6955,
15.8679

■ 23.1400, 40.6955,
15.8679

■ 21.5982, 39.9681,
12.8012

■ 25.2534, 41.7042,
19.6717

■ 20.5660, 39.4876,
10.4208

■ 27.9862, 43.0144,
24.2533


■ 19.9461, 39.2061,
8.6728

■ 31.3843, 44.6502,
29.6538


■ 19.9066, 39.1882,
8.5626


■ 35.4884, 46.6317,
35.9107

■ 40.3358, 48.9774,
43.0590

 45.9614, 51.7046,
51.1318

 52.3975, 54.8294,
60.1606

 59.6750, 58.3670,
70.1751

 67.8227, 62.3316,
81.2041

Harmonies

Analogous

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



30.2838, 40.6955, 7.4620



23.1400, 40.6955, 15.8679



20.2320, 40.6955, 37.4776

Triad

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



23.1400, 40.6955, 15.8679



36.2140, 40.6955, 145.3104



63.4085, 40.6955, 23.0439

Complementary

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



23.1400, 40.6955, 15.8679



31.0976, 17.6244, 38.3225

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.



65.8873, 40.6955, 51.9272



23.1400, 40.6955, 15.8679



48.4998, 40.6955, 134.4647

Square

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



23.1400, 40.6955, 15.8679



26.7250, 40.6955, 119.8963



59.9687, 40.6955, 95.0921



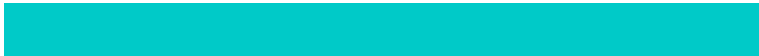
53.7547, 40.6955, 9.8866

Rectangle

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



23.1400, 40.6955, 15.8679



20.5568, 40.6955, 61.4389



59.9687, 40.6955, 95.0921



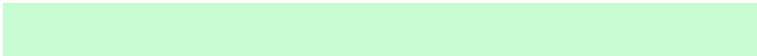
65.1801, 40.6955, 30.7040

Sweetspot

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



23.1410, 40.6972, 15.8688



70.3076, 86.7803, 74.2999



36.4806, 47.6833, 11.5560



14.8486, 18.7387, 15.4663



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.



23.1410, 40.6972, 15.8688



37.6397, 71.0936, 20.6229



27.2541, 42.3424, 37.5283



10.0280, 11.2922, 11.1508



12.9628, 25.4792, 5.6974



0.5857, 1.1111, 0.3811

Inverse Universe

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



31.0976, 17.6244, 38.3225



52.6760, 27.1041, 62.7691



26.4471, 15.7642, 13.8330



10.4049, 10.2106, 12.2227



18.4797, 9.0816, 20.9697



0.8215, 0.4016, 1.0276

Previews

White Background



This preview shows how the XYZ color 23.1400, 40.6955, 15.8679 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 23.1400, 40.6955, 15.8679 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 23.1400, 40.6955, 15.8679

Background



This preview shows how black text looks on a background with the XYZ color 23.1400, 40.6955, 15.8679.



This preview shows how white text looks on a background with the XYZ color 23.1400, 40.6955,

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

23.1400, 40.6955, 15.8679

Protanopia

36.5617, 40.0200, 13.3870

Deuteranopia

40.8101, 39.9691, 16.8731



Tritanopia

31.7426, 40.3239, 59.5364

Trichromacy



Original Color

23.1400, 40.6955, 15.8679



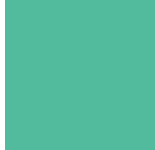
Protanomaly

28.6659, 38.5275, 14.1093



Deuteranomaly

30.4829, 37.9503, 16.3082



Tritanomaly

27.4216, 39.8031, 38.5853

Monochromacy



Original Color

23.1400, 40.6955, 15.8679



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.9398, 30.3396, 23.0594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1400, 40.6955, 15.8679 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(60, 195, 88)` looks like.

```
.text, #text, p{  
    color:rgb(60, 195, 88)  
}
```

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(60, 195, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 195, 88) }
```

Border

The CSS property to change the border of an element to XYZ 23.1400, 40.6955, 15.8679 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(60, 195, 88) }
```


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

```
.border{ border-color:rgb(60, 195, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 195, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 195, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 195, 88);  
box-shadow:4px 4px 4px 4px rgb(60, 195,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1400, 40.6955, 15.8679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 195, 88) }
```

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

```
.background{ background-color: rgb(60, 195,  
88) }
```

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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