

Converting Colors

XYZ(23.0549, 40.4566, 18.0676)

Have a look what the booklet for
XYZ(23.0549, 40.4566, 18.0676)
contains.

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Color

**XYZ(23.1879, 40.6689,
18.1830)**

Conversions

Conversions Part 1

Format	Color
Hex	35C362
RGB	53, 195, 98
RGB Percent	21%, 76%, 38%
CMY	0.7921, 0.2353, 0.6157
CMYK	0.73, 0.00, 0.50, 0.24
HSL	139°, 57%, 49%
HSV	139°, 73%, 76%
XYZ	23.1879, 40.6689, 18.1830
YIQ	141.4840, -53.4950, -60.2710

Conversions

Conversions Part 2

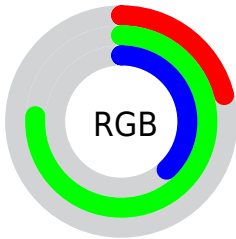
Format	Color
RYB	53, 161, 195
Decimal	3523426
CIELab	69.94, -58.02, 38.04
CIELCh	70, 69.380, 146.749
Yxy	40.6689, 0.2826, 0.4957
Android (android.graphics.Color)	4281713506 (0xFF35C362)
YUV	141.4840, -21.4376, -77.6005
Hunter-Lab	63.7722, -46.6978, 27.7355

Details

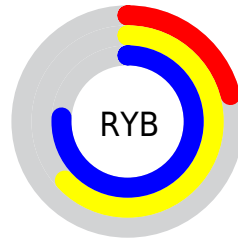
The XYZ color **23.1879, 40.6689, 18.1830** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **29.2850, 16.3511, 30.4681**, and the grayscale version is **25.6053, 26.9388, 29.3364**.

A 20% lighter version of the original color is **48.2380, 76.3745, 41.0535**, and **9.9116, 18.9696, 5.9354** is the 20% darker color. If you saturate the color by 10%, you get **21.7863, 40.0142, 15.1035**, and if you desaturate by 10%, it is **25.1131, 41.5837, 21.8353**.

Distribution



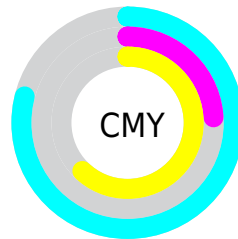
- Red (21%)
- Green (76%)
- Blue (38%)



- Red (21%)
- Yellow (63%)
- Blue (76%)



- Cyan (73%)
- Magenta (0%)
- Yellow (50%)
- Black (24%)





- Cyan (79%)
- Magenta (24%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1879, 40.6689, 18.1830 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 23.1879, 40.6689, 18.1830 by changing the saturation by 10% instead.


 23.1879, 40.6689,
18.1830


 23.1879, 40.6689,
18.1830


261.2060,
348.9349, 254.1712


 14.8538, 28.0605,
10.9107


 48.1661, 76.1810,
41.1670


 8.8025, 18.3712,
5.8934


 65.5408, 99.8535,
57.7158


 4.6686, 11.2168,
2.7126


 86.6598, 127.9828,
78.1938

 2.0869, 6.2129,
0.9498

 111.8884,
160.9532, 103.0196

 0.6821, 2.9750,
0.0000

 141.5920,
199.1493, 132.6117

 0.0000, 1.1187,
0.0000

176.1358,

 0.0000, 0.0000,

242.9553, 167.3886

0.0000

215.8854,
292.7557, 207.7689

■ 23.1879, 40.6689,
18.1830

■ 23.1879, 40.6689,
18.1830

■ 21.7863, 40.0142,
15.1035

■ 25.1131, 41.5837,
21.8353

■ 20.8460, 39.5847,
12.5641

■ 27.6088, 42.7788,
26.0850

■ 20.3798, 39.3773,
11.0547

■ 30.7198, 44.2779,
30.9587

■ 34.4856, 46.1010,
36.4805

■ 38.9422, 48.2660,
42.6733

■ 44.1229, 50.7897,
49.5587

■ 50.0588, 53.6877,
57.1574

■ 56.7791, 56.9747,
65.4892

■ 64.3117, 60.6646,
74.5731

Harmonies

Analogous

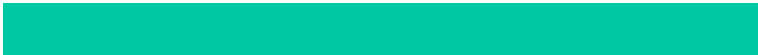
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.6801, 40.6689, 8.7243



23.1879, 40.6689, 18.1830



20.7727, 40.6689, 40.8472

Triad

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



23.1879, 40.6689, 18.1830



37.4360, 40.6689, 139.9361



61.4736, 40.6689, 21.7711

Complementary

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



23.1879, 40.6689, 18.1830



29.2850, 16.3511, 30.4681

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.



64.6457, 40.6689, 47.9031



23.1879, 40.6689, 18.1830



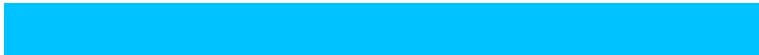
49.2771, 40.6689, 126.2867

Square

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



23.1879, 40.6689, 18.1830



27.9271, 40.6689, 119.3254



59.8108, 40.6689, 87.8914



51.8278, 40.6689, 9.9739

Rectangle

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



23.1879, 40.6689, 18.1830



21.3641, 40.6689, 64.7344



59.8108, 40.6689, 87.8914



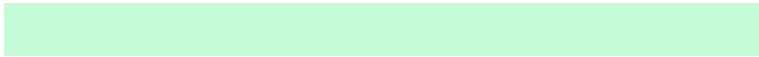
63.4047, 40.6689, 28.6662

Sweetspot

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



23.1889, 40.6706, 18.1839



70.1576, 86.6433, 76.9874



32.7429, 45.7763, 10.4784



14.8485, 18.7234, 16.1570



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.



23.1889, 40.6706, 18.1839



37.9925, 71.1918, 24.4188



28.1428, 42.6521, 44.2707



10.0730, 11.3103, 11.3878



13.2793, 25.6058, 7.3641



0.6056, 1.1191, 0.4859

Inverse Universe

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



29.2850, 16.3511, 30.4681



49.3784, 25.2698, 46.9922



25.1923, 14.7140, 8.9163



10.3571, 10.1914, 11.9708



17.4278, 8.6609, 15.4309



0.7831, 0.3863, 0.8254

Previews

White Background



This preview shows how the XYZ color 23.1879, 40.6689, 18.1830 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 23.1879, 40.6689, 18.1830 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 23.1879, 40.6689, 18.1830

Background



This preview shows how black text looks on a background with the XYZ color 23.1879, 40.6689, 18.1830.



This preview shows how white text looks on a background with the XYZ color 23.1879, 40.6689,

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

23.1879, 40.6689, 18.1830

Protanopia

36.6714, 40.0355, 15.2460

Deuteranopia

40.6987, 39.8604, 19.1844



Tritanopia

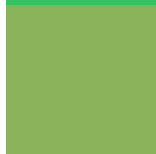
31.5691, 40.5283, 60.1917

Trichromacy



Original Color

23.1879, 40.6689, 18.1830



Protanomaly

28.5331, 38.4162, 16.0364



Deuteranomaly

30.1619, 37.7354, 18.5259



Tritanomaly

27.4853, 40.1116, 40.4761

Monochromacy



Original Color

23.1879, 40.6689, 18.1830



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.7532, 30.2216, 24.0362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1879, 40.6689, 18.1830 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(53, 195, 98)` looks like.

```
.text, #text, p{  
    color:rgb(53, 195, 98)  
}
```

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(53, 195, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 195, 98) }
```

Border

The CSS property to change the border of an element to XYZ 23.1879, 40.6689, 18.1830 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(53, 195, 98) }
```


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

```
.border{ border-color:rgb(53, 195, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 195, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 195, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 195, 98);  
box-shadow:4px 4px 4px 4px rgb(53, 195,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1879, 40.6689, 18.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 195, 98) }
```

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

```
.background{ background-color: rgb(53, 195,  
98) }
```

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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