

Converting Colors

XYZ(23.0145, 40.0466, 23.3810)

Have a look what the booklet for
XYZ(23.0145, 40.0466, 23.3810)
contains.

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Color

**XYZ(23.0677, 40.1592,
23.3653)**

Conversions

Conversions Part 1

Format	Color
Hex	1FC275
RGB	31, 194, 117
RGB Percent	12%, 76%, 46%
CMY	0.8784, 0.2392, 0.5412
CMYK	0.84, 0.00, 0.40, 0.24
HSL	152°, 72%, 44%
HSV	152°, 84%, 76%
XYZ	23.0677, 40.1592, 23.3653
YIQ	136.4850, -72.4310, -58.5030

Conversions

Conversions Part 2

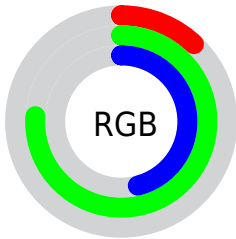
Format	Color
RYB	31, 138, 194
Decimal	2081397
CIELab	69.58, -57.01, 27.82
CIELCh	70, 63.433, 153.989
Yxy	40.1592, 0.2664, 0.4638
Android (android.graphics.Color)	4280271477 (0xFF1FC275)
YUV	136.4850, -9.6061, -92.5103
Hunter-Lab	63.3713, -45.9242, 22.4994

Details

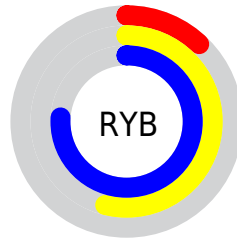
The XYZ color **23.0677, 40.1592, 23.3653** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.4461, 13.5328, 15.4598**, and the grayscale version is **23.6393, 24.8704, 27.0838**.

A 20% lighter version of the original color is **48.1295, 75.6489, 50.0952**, and **10.2760, 18.8826, 8.5719** is the 20% darker color. If you saturate the color by 10%, you get **22.1368, 39.7396, 20.6458**, and if you desaturate by 10%, it is **24.4046, 40.7841, 26.3810**.

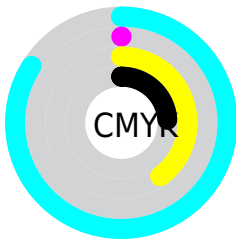
Distribution



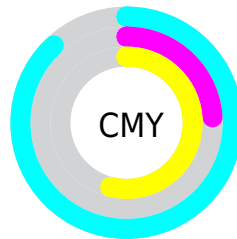
- Red (12%)
- Green (76%)
- Blue (46%)



- Red (12%)
- Yellow (54%)
- Blue (76%)



- Cyan (84%)
- Magenta (0%)
- Yellow (40%)
- Black (24%)



- Cyan (88%)
- Magenta (24%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0677, 40.1592, 23.3653 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 23.0677, 40.1592, 23.3653 by changing the saturation by 10% instead.


 23.0677, 40.1592,
23.3653


 23.0677, 40.1592,
23.3653


260.6014,
346.7941, 282.7782


 14.7645, 27.6627,
14.6556


 47.9703, 75.4059,
49.9232


 8.7395, 18.0715,
8.4341


 65.3004, 98.9248,
68.6086


 4.6274, 11.0014,
4.2822


 86.3702, 126.8867,
91.4563

 2.0628, 6.0678,
1.7814

 111.5449,
159.6760, 118.8848

 0.6689, 2.8863,
0.4157

 141.1901,
197.6769, 151.3127

 0.0000, 1.0727,
0.0000

175.6710,

 0.0000, 0.0000,

241.2740, 189.1586

0.0000

215.3529,
290.8516, 232.8409

■ 23.0677, 40.1592,
23.3653

■ 23.0677, 40.1592,
23.3653

■ 22.1368, 39.7396,
20.6458

■ 24.4046, 40.7841,
26.3810

■ 21.7085, 39.5514,
19.1530

■ 26.2008, 41.6385,
29.7004

■ 28.5042, 42.7479,
33.3338

■ 31.3553, 44.1331,
37.2900

■ 34.7908, 45.8128,
41.5777

■ 38.8436, 47.8039,
46.2049

■ 43.5445, 50.1221,
51.1793

■ 48.9219, 52.7818,
56.5084

■ 55.0025, 55.7968,
62.1995

Harmonies

Analogous

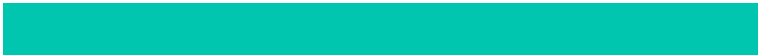
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.1865, 40.1592, 11.6550



23.0677, 40.1592, 23.3653



21.7040, 40.1592, 47.7682

Triad

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



23.0677, 40.1592, 23.3653



39.5564, 40.1592, 127.5569



56.9350, 40.1592, 19.1703

Complementary

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



23.0677, 40.1592, 23.3653



25.4461, 13.5328, 15.4598

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.



61.3754, 40.1592, 39.9196



23.0677, 40.1592, 23.3653



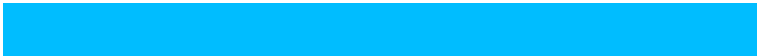
50.2701, 40.1592, 109.1309

Square

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



23.0677, 40.1592, 23.3653



30.1697, 40.1592, 116.5095



58.7421, 40.1592, 73.4124



47.4729, 40.1592, 10.1045

Rectangle

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



23.0677, 40.1592, 23.3653



22.8585, 40.1592, 70.8945



58.7421, 40.1592, 73.4124



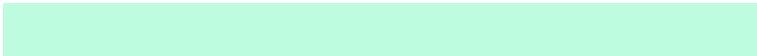
59.1343, 40.1592, 24.5730

Sweetspot

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



23.0687, 40.1608, 23.3662



69.2922, 86.0739, 82.5165



25.9439, 41.9853, 8.0332



14.5815, 18.5579, 17.4033



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.



23.0687, 40.1608, 23.3662



39.1988, 71.6025, 34.0145



28.9966, 41.5733, 57.5370



10.1615, 11.3456, 11.8536



14.3139, 26.0196, 12.8120



0.6531, 1.1381, 0.7359

Inverse Universe

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



25.4461, 13.5328, 15.4598



43.6534, 22.1177, 19.5025



23.0604, 12.6969, 2.5319



10.2668, 10.1553, 11.4957



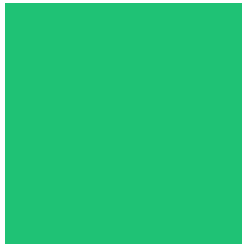
15.9282, 8.0610, 7.5342



0.7230, 0.3622, 0.5088

Previews

White Background



This preview shows how the XYZ color 23.0677, 40.1592, 23.3653 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 23.0677, 40.1592, 23.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

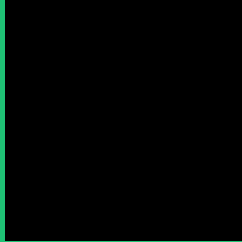
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.0677, 40.1592, 23.3653

Background



This preview shows how black text looks on a background with the XYZ color 23.0677, 40.1592, 23.3653.



This preview shows how white text looks on a background with the XYZ color 23.0677, 40.1592,

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

23.0677, 40.1592, 23.3653

Protanopia

36.6090, 39.6278, 19.6294

Deuteranopia

40.1752, 39.4634, 24.9018



Tritanopia

30.3509, 39.9004, 60.1347

Trichromacy



Original Color

23.0677, 40.1592, 23.3653



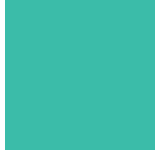
Protanomaly

27.6917, 37.5777, 20.8326



Deuteranomaly

29.1301, 37.0805, 24.0343



Tritanomaly

26.9483, 39.7608, 43.7904

Monochromacy



Original Color

23.0677, 40.1592, 23.3653



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.0564, 28.2956, 25.1207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0677, 40.1592, 23.3653 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(31, 194, 117)` looks like.

```
.text, #text, p{  
    color:rgb(31, 194, 117)  
}
```

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(31, 194, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 194, 117) }
```

Border

The CSS property to change the border of an element to XYZ 23.0677, 40.1592, 23.3653 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(31, 194, 117) }
```


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

```
.border{ border-color:rgb(31, 194, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 194, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 194, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 194, 117);  
box-shadow:4px 4px 4px 4px rgb(31, 194,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0677, 40.1592, 23.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 194, 117) }
```

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

```
.background{ background-color: rgb(31, 194,  
117) }
```

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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