

Converting Colors

XYZ(23.5908, 41.0732, 18.0187)

Have a look what the booklet for
XYZ(23.5908, 41.0732, 18.0187)
contains.

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Color

**XYZ(23.7012, 41.2727,
18.0265)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC461
RGB	59, 196, 97
RGB Percent	23%, 77%, 38%
CMY	0.7686, 0.2314, 0.6196
CMYK	0.70, 0.00, 0.51, 0.23
HSL	137°, 54%, 50%
HSV	137°, 70%, 77%
XYZ	23.7012, 41.2727, 18.0265
YIQ	143.7510, -49.8730, -59.8330

Conversions

Conversions Part 2

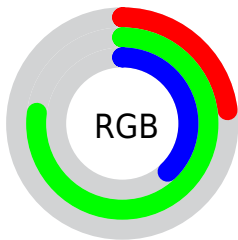
Format	Color
RYB	59, 166, 196
Decimal	3916897
CIELab	70.37, -57.56, 39.09
CIELCh	70, 69.575, 145.819
Yxy	41.2727, 0.2856, 0.4973
Android (android.graphics.Color)	4282106977 (0xFF3BC461)
YUV	143.7510, -23.0482, -74.3266
Hunter-Lab	64.2438, -46.5735, 28.3342

Details

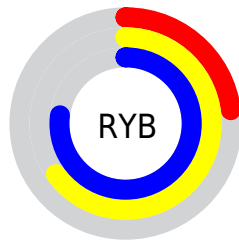
The XYZ color **23.7012, 41.2727, 18.0265** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **30.5016, 17.3330, 34.0867**, and the grayscale version is **26.5140, 27.8948, 30.3775**.

A 20% lighter version of the original color is **49.0350, 77.2645, 40.7629**, and **10.0380, 19.2550, 5.8769** is the 20% darker color. If you saturate the color by 10%, you get **22.1478, 40.5427, 14.8093**, and if you desaturate by 10%, it is **25.8105, 42.2780, 21.8871**.

Distribution



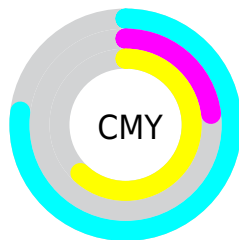
- Red (23%)
- Green (77%)
- Blue (38%)



- Red (23%)
- Yellow (65%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (23%)



- Cyan (77%)
- Magenta (23%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7012, 41.2727, 18.0265 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 23.7012, 41.2727, 18.0265 by changing the saturation by 10% instead.

■ 23.7012, 41.2727,
18.0265

■ 23.7012, 41.2727,
18.0265

263.7749,
351.4591, 253.2615

■ 15.2357, 28.5322,
10.7994

■ 49.0004, 77.0977,
40.8970

■ 9.0723, 18.7272,
5.8196

■ 66.5648, 100.9510,
57.3775

■ 4.8459, 11.4734,
2.6687

■ 87.8928, 129.2774,
77.7795

■ 2.1909, 6.3862,
0.9276

■ 113.3498,
162.4612, 102.5216

■ 0.7380, 3.0813,
0.0000

■ 143.3011,
200.8869, 132.0223

■ 0.0000, 1.1743,
0.0000

178.1122,

■ 0.0000, 0.0406,

244.9388, 166.7002

0.0000

218.1484,
295.0014, 206.9737

■ 0.0000, 0.0000,
0.0000

■ 23.7012, 41.2727,
18.0265

■ 23.7012, 41.2727,
18.0265

■ 22.1478, 40.5427,
14.8093

■ 25.8105, 42.2780,
21.8871

■ 21.0893, 40.0537,
12.1972

■ 28.5223, 43.5785,
26.4209

■ 20.4212, 39.7539,
10.1503

■ 31.8815, 45.1977,
31.6593

■ 20.4152, 39.7512,
10.1321

■ 35.9276, 47.1556,
37.6308

■ 40.6972, 49.4703,
44.3621

■ 46.2239, 52.1588,
51.8790

■ 52.5394, 55.2368,
60.2057

■ 59.6736, 58.7193,
69.3655

■ 67.6545, 62.6202,
79.3808

Harmonies

Analogous

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



30.4077, 41.2727, 8.7412



23.7012, 41.2727, 18.0265



21.1270, 41.2727, 40.5009

Triad

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



23.7012, 41.2727, 18.0265



37.6466, 41.2727, 141.5855



62.5454, 41.2727, 22.7086

Complementary

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



23.7012, 41.2727, 18.0265



30.5016, 17.3330, 34.0867

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.



65.5076, 41.2727, 49.6899



23.7012, 41.2727, 18.0265



49.6087, 41.2727, 128.8349

Square

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



23.7012, 41.2727, 18.0265



28.1236, 41.2727, 119.7870



60.3822, 41.2727, 90.4307



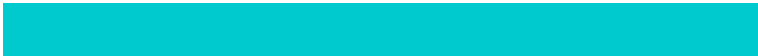
52.9282, 41.2727, 10.3754

Rectangle

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



23.7012, 41.2727, 18.0265



21.6438, 41.2727, 64.3901



60.3822, 41.2727, 90.4307



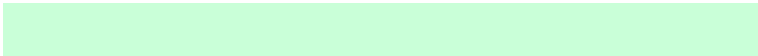
64.4236, 41.2727, 29.8619

Sweetspot

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



23.7022, 41.2744, 18.0274



72.4025, 88.9736, 78.5293



34.9216, 47.2162, 11.4109



14.9611, 18.7837, 16.0583



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.



23.7022, 41.2744, 18.0274



38.9771, 72.9116, 24.1301



28.2486, 43.0929, 41.9681



10.0567, 11.3037, 11.3019



13.1490, 25.5537, 6.6778



0.5984, 1.1162, 0.4480

Inverse Universe

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



30.5016, 17.3330, 34.0867



51.9427, 26.7988, 54.4127



26.2169, 15.6191, 11.5234



10.3743, 10.1983, 12.0614



17.7851, 8.8038, 17.3122



0.7964, 0.3916, 0.8953

Previews

White Background



This preview shows how the XYZ color 23.7012, 41.2727, 18.0265 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 23.7012, 41.2727, 18.0265 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 23.7012, 41.2727, 18.0265

Background



This preview shows how black text looks on a background with the XYZ color 23.7012, 41.2727, 18.0265.



This preview shows how white text looks on a background with the XYZ color 23.7012, 41.2727,

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

23.7012, 41.2727, 18.0265

Protanopia

37.0634, 40.5218, 15.1006

Deuteranopia

41.1006, 40.3361, 18.9840



Tritanopia

32.2885, 41.1952, 60.8933

Trichromacy



Original Color

23.7012, 41.2727, 18.0265



Protanomaly

29.1941, 39.0606, 15.8983



Deuteranomaly

30.8651, 38.3916, 18.3539



Tritanomaly

28.2018, 40.7889, 41.0370

Monochromacy



Original Color

23.7012, 41.2727, 18.0265



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.7380, 31.2374, 24.8570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7012, 41.2727, 18.0265 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(59, 196, 97)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 97)  
}
```

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(59, 196, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 97) }
```

Border

The CSS property to change the border of an element to XYZ 23.7012, 41.2727, 18.0265 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(59, 196, 97) }
```


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

```
.border{ border-color:rgb(59, 196, 97) }
```

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

Here you see how a box with a 4 pixel rgb(59, 196, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 97);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7012, 41.2727, 18.0265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 97) }
```

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

```
.background{ background-color: rgb(59, 196,  
97) }
```

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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