

Converting Colors

XYZ(23.7607, 42.0273, 16.3864)

Have a look what the booklet for
XYZ(23.7607, 42.0273, 16.3864)
contains.

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Color

**XYZ(23.7422, 42.0090,
16.3084)**

Conversions

Conversions Part 1

Format	Color
Hex	3AC659
RGB	58, 198, 89
RGB Percent	23%, 78%, 35%
CMY	0.7725, 0.2235, 0.6510
CMYK	0.71, 0.00, 0.55, 0.22
HSL	133°, 55%, 50%
HSV	133°, 71%, 78%
XYZ	23.7422, 42.0090, 16.3084
YIQ	143.7140, -48.4510, -63.5790

Conversions

Conversions Part 2

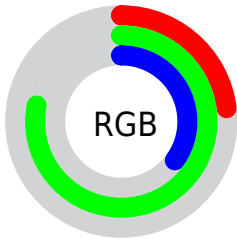
Format	Color
RYB	58, 173, 198
Decimal	3851865
CIELab	70.88, -59.58, 43.57
CIELCh	71, 73.811, 143.818
Yxy	42.0090, 0.2893, 0.5119
Android (android.graphics.Color)	4282041945 (0xFF3AC659)
YUV	143.7140, -26.9740, -75.1712
Hunter-Lab	64.8144, -48.0386, 30.4517

Details

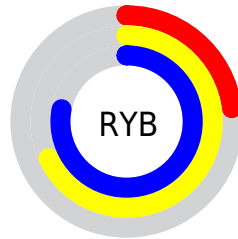
The XYZ color **23.7422, 42.0090, 16.3084** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **31.7780, 17.8226, 38.3255**, and the grayscale version is **26.5141, 27.8949, 30.3776**.

A 20% lighter version of the original color is **48.8109, 77.6839, 38.0131**, and **10.1723, 19.7849, 5.1164** is the 20% darker color. If you saturate the color by 10%, you get **22.2238, 41.2946, 13.2052**, and if you desaturate by 10%, it is **25.8406, 43.0092, 20.1482**.

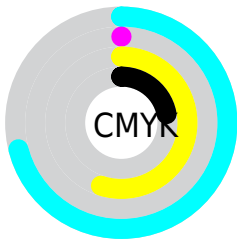
Distribution



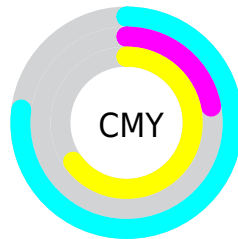
- Red (23%)
- Green (78%)
- Blue (35%)



- Red (23%)
- Yellow (68%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (55%)
- Black (22%)





- Cyan (77%)
- Magenta (22%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7422, 42.0090, 16.3084 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 23.7422, 42.0090, 16.3084 by changing the saturation by 10% instead.


 23.7422, 42.0090,
16.3084


 23.7422, 42.0090,
16.3084


263.9793,
354.5202, 243.0622


 15.2662, 29.1083,
9.5859


 49.0669, 78.2132,
37.9070


 9.0940, 19.1628,
5.0233


 66.6464, 102.2856,
53.6202


 4.8601, 11.7880,
2.2020


 87.9910, 130.8507,
73.1674

 2.1993, 6.5995,
0.6755

 113.4661,
164.2928, 96.9671

 0.7424, 3.2129,
0.0000

 143.4372,
202.9965, 125.4379

 0.0000, 1.2439,
0.0000

178.2695,

 0.0000, 0.0971,

247.3460, 158.9984

0.0000

218.3284,
297.7258, 198.0670

■ 0.0000, 0.0000,
0.0000

■ 23.7422, 42.0090,
16.3084

■ 23.7422, 42.0090,
16.3084

■ 22.2238, 41.2946,
13.2052

■ 25.8406, 43.0092,
20.1482

■ 21.2200, 40.8296,
10.7884

■ 28.5693, 44.3165,
24.7649

■ 20.6466, 40.5705,
9.1103

■ 31.9761, 45.9560,
30.1994

■ 36.1036, 47.9489,
36.4885

■ 40.9907, 50.3145,
43.6672

■ 46.6734, 53.0706,
51.7683

■ 53.1855, 56.2340,
60.8228

■ 60.5588, 59.8206,
70.8605

■ 68.8234, 63.8451,
81.9098

Harmonies

Analogous

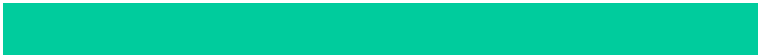
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1323, 42.0090, 7.5768



23.7422, 42.0090, 16.3084



20.7544, 42.0090, 38.8387

Triad

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



23.7422, 42.0090, 16.3084



37.4394, 42.0090, 151.2789



65.6570, 42.0090, 23.5073

Complementary

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



23.7422, 42.0090, 16.3084



31.7780, 17.8226, 38.3255

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.



68.3019, 42.0090, 53.4154



23.7422, 42.0090, 16.3084



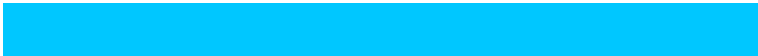
50.2422, 42.0090, 139.6777

Square

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



23.7422, 42.0090, 16.3084



27.5488, 42.0090, 124.9051



62.1782, 42.0090, 98.3983



55.5517, 42.0090, 9.9921

Rectangle

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



23.7422, 42.0090, 16.3084



21.1094, 42.0090, 63.8662



62.1782, 42.0090, 98.3983



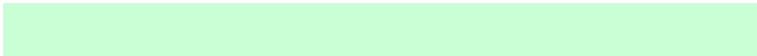
67.5239, 42.0090, 31.4167

Sweetspot

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



23.7432, 42.0107, 16.3094



72.0179, 88.8197, 76.5040



37.0369, 48.9840, 11.5060



14.8709, 18.7476, 15.5836



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.



23.7432, 42.0107, 16.3094



38.2582, 72.6127, 20.8554



28.1405, 43.7696, 39.4650



10.5920, 11.9257, 11.8019



13.4533, 26.3937, 6.0656



0.6651, 1.2610, 0.4353

Inverse Universe

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



31.7780, 17.8226, 38.3255



53.2041, 27.1674, 61.4736



26.9918, 15.9081, 13.1214



10.9787, 10.7749, 12.8711



18.9800, 9.3416, 20.9025



0.9243, 0.4526, 1.1244

Previews

White Background



This preview shows how the XYZ color 23.7422, 42.0090, 16.3084 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 23.7422, 42.0090, 16.3084 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 23.7422, 42.0090, 16.3084

Background



This preview shows how black text looks on a background with the XYZ color 23.7422, 42.0090, 16.3084.



This preview shows how white text looks on a background with the XYZ color 23.7422, 42.0090,

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

23.7422, 42.0090, 16.3084

Protanopia

37.7236, 41.1755, 13.7440

Deuteranopia

42.0584, 41.1344, 17.2783



Tritanopia

32.7176, 41.7145, 61.5857

Trichromacy



Original Color

23.7422, 42.0090, 16.3084



Protanomaly

29.4518, 39.5275, 14.4648



Deuteranomaly

31.1085, 38.8455, 16.6848



Tritanomaly

28.1520, 41.1143, 39.7098

Monochromacy



Original Color

23.7422, 42.0090, 16.3084



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.7236, 31.5169, 23.9018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7422, 42.0090, 16.3084 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(58, 198, 89)` looks like.

```
.text, #text, p{  
    color:rgb(58, 198, 89)  
}
```

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(58, 198, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 198, 89) }
```

Border

The CSS property to change the border of an element to XYZ 23.7422, 42.0090, 16.3084 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(58, 198, 89) }
```


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

```
.border{ border-color:rgb(58, 198, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 198, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 198, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 198, 89);  
box-shadow:4px 4px 4px 4px rgb(58, 198,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7422, 42.0090, 16.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 198, 89) }
```

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

```
.background{ background-color: rgb(58, 198,  
89) }
```

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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