

Converting Colors

XYZ(23.9137, 32.3455, 15.2461)

Have a look what the booklet for
XYZ(23.9137, 32.3455, 15.2461)
contains.

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Color

**XYZ(23.9242, 32.3478,
15.3387)**

Conversions

Conversions Part 1

Format	Color
Hex	7CA65D
RGB	124, 166, 93
RGB Percent	49%, 65%, 36%
CMY	0.5137, 0.3490, 0.6353
CMYK	0.25, 0.00, 0.44, 0.35
HSL	95°, 29%, 51%
HSV	95°, 44%, 65%
XYZ	23.9242, 32.3478, 15.3387
YIQ	145.1200, -1.5990, -31.6070

Conversions

Conversions Part 2

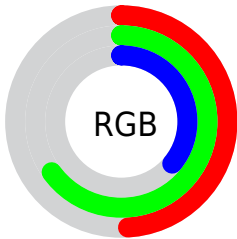
Format	Color
RYB	93, 166, 135
Decimal	8169053
CIELab	63.63, -27.53, 33.23
CIELCh	64, 43.152, 129.647
Yxy	32.3478, 0.3341, 0.4517
Android (android.graphics.Color)	4286359133 (0xFF7CA65D)
YUV	145.1200, -25.6952, -18.5222
Hunter-Lab	56.8751, -24.4465, 23.8226

Details

The XYZ color **23.9242, 32.3478, 15.3387** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.7902, 15.7336, 38.0192**, and the grayscale version is **27.0648, 28.4743, 31.0085**.

A 20% lighter version of the original color is **49.2506, 63.1915, 35.9870**, and **9.2386, 13.6406, 4.6286** is the 20% darker color. If you saturate the color by 10%, you get **21.9534, 31.4087, 11.8163**, and if you desaturate by 10%, it is **26.1900, 33.4225, 19.7094**.

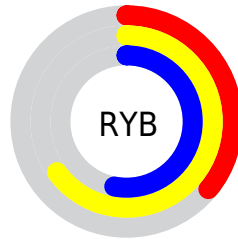
Distribution



Red (49%)

Green (65%)

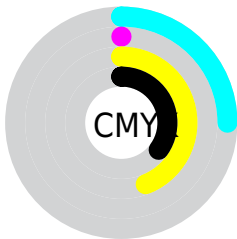
Blue (36%)



Red (36%)

Yellow (65%)

Blue (53%)

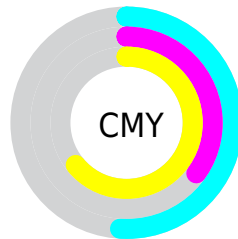


Cyan (25%)

Magenta (0%)

Yellow (44%)

Black (35%)



Cyan (51%)


Magenta (35%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9242, 32.3478, 15.3387 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 23.9242, 32.3478, 15.3387 by changing the saturation by 10% instead.


 23.9242, 32.3478,
15.3387


 23.9242, 32.3478,
15.3387


264.8846,
312.7006, 237.1182


 15.4018, 21.6273,
8.9082

 49.3621, 63.3559,
36.1969


 9.1900, 13.5833,
4.5853


 67.0083, 84.4123,
51.4617

 4.9234, 7.8314,
1.9516


 88.4264, 109.6829,
70.5084

 2.2367, 3.9873,
0.5253

 113.9820,
139.5518, 93.7554

 0.7620, 1.6664,
0.0000

144.0402,
174.4037, 121.6214

 0.0000, 0.4018,
0.0000

178.9665,

 0.0000, 0.0000,

214.6229, 154.5248

0.0000

219.1262,
260.5937, 192.8842

■ 23.9242, 32.3478,
15.3387

■ 23.9242, 32.3478,
15.3387

■ 21.9534, 31.4087,
11.8163

■ 26.1900, 33.4225,
19.7094

■ 20.2609, 30.5950,
9.0850

■ 28.7614, 34.6342,
24.9764

■ 18.8320, 29.9011,
7.0838


■ 31.6516, 35.9897,
31.1869


■ 17.6490, 29.3197,
5.7419


■ 34.8721, 37.4939,
38.3838


■ 16.6916, 28.8422,
4.9745


■ 38.4337, 39.1517,
46.6075

 16.1982, 28.5941,
4.6655

 42.3469, 40.9674,
55.8964

 46.6215, 42.9455,
66.2864

 51.2670, 45.0901,
77.8123

 56.2925, 47.4051,
90.5069

Harmonies

Analogous

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



28.8430, 32.3478, 11.5774



23.9242, 32.3478, 15.3387



21.1045, 32.3478, 24.8871

Triad

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



23.9242, 32.3478, 15.3387



26.8862, 32.3478, 76.4358



43.6535, 32.3478, 29.9438

Complementary

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



23.9242, 32.3478, 15.3387



20.7902, 15.7336, 38.0192

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.



42.9498, 32.3478, 48.0809



23.9242, 32.3478, 15.3387



32.7301, 32.3478, 79.1558

Square

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



23.9242, 32.3478, 15.3387



22.6531, 32.3478, 60.9454



38.7541, 32.3478, 67.4814



40.5669, 32.3478, 17.9964

Rectangle

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



23.9242, 32.3478, 15.3387



20.5463, 32.3478, 35.0170



38.7541, 32.3478, 67.4814



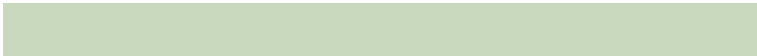
43.8607, 32.3478, 35.4263

Sweetspot

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



23.9250, 32.3492, 15.3394



57.8507, 65.5060, 57.4960



26.2788, 26.0502, 13.9995



12.6812, 14.5351, 12.2867



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.9250, 32.3492, 15.3394



39.8386, 56.9999, 21.4396



20.3497, 30.4803, 16.3335



7.7274, 8.5576, 8.0338



12.6116, 22.1987, 3.6201



0.3657, 0.5704, 0.0908

Inverse Universe

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



20.7902, 15.7336, 38.0192



33.3727, 22.7959, 68.1164



26.0862, 18.5144, 35.9802



7.5295, 7.5056, 9.4702



9.0925, 4.0708, 28.2820



0.2778, 0.1282, 0.6908

Previews

White Background



This preview shows how the XYZ color 23.9242, 32.3478, 15.3387 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 23.9242, 32.3478, 15.3387 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 23.9242, 32.3478, 15.3387

Background



This preview shows how black text looks on a background with the XYZ color 23.9242, 32.3478, 15.3387.



This preview shows how white text looks on a background with the XYZ color 23.9242, 32.3478,

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

23.9242, 32.3478, 15.3387

Protanopia

29.4655, 32.1406, 13.8833

Deuteranopia

32.6459, 32.0636, 16.0235



Tritanopia

29.4660, 32.2505, 42.7021

Trichromacy



Original Color

23.9242, 32.3478, 15.3387

Protanomaly

27.0212, 31.8673, 14.3997

Deuteranomaly

28.7712, 31.7423, 15.6768

Tritanomaly

26.9690, 32.0001, 30.3464

Monochromacy



Original Color

23.9242, 32.3478, 15.3387

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.4737, 29.6072, 24.1108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9242, 32.3478, 15.3387 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(124, 166, 93)` looks like.

```
.text, #text, p{  
    color:rgb(124, 166, 93)  
}
```

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(124, 166, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 166, 93) }
```

Border

The CSS property to change the border of an element to XYZ 23.9242, 32.3478, 15.3387 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(124, 166, 93) }
```


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

```
.border{ border-color:rgb(124, 166, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 166, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 166, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 166, 93);  
box-shadow:4px 4px 4px 4px rgb(124, 166,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9242, 32.3478, 15.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 166, 93) }
```

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

```
.background{ background-color: rgb(124,  
166, 93) }
```

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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