

Converting Colors

XYZ(16.3368, 24.1116, 10.3964)

Have a look what the booklet for
XYZ(16.3368, 24.1116, 10.3964)
contains.

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Color

**XYZ(16.2735, 23.9631,
10.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	5C944B
RGB	92, 148, 75
RGB Percent	36%, 58%, 29%
CMY	0.6392, 0.4196, 0.7059
CMYK	0.38, 0.00, 0.49, 0.42
HSL	106°, 33%, 44%
HSV	106°, 49%, 58%
XYZ	16.2735, 23.9631, 10.4242
YIQ	122.9340, -9.9430, -34.5750

Conversions

Conversions Part 2

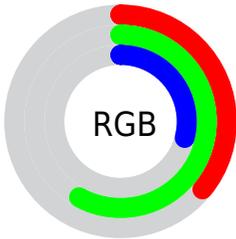
Format	Color
RYB	75, 148, 131
Decimal	6067275
CIELab	56.05, -32.92, 32.73
CIELCh	56, 46.425, 135.166
Yxy	23.9631, 0.3212, 0.4730
Android (android.graphics.Color)	4284257355 (0xFF5C944B)
YUV	122.9340, -23.6315, -27.1291
Hunter-Lab	48.9521, -26.3262, 21.6409

Details

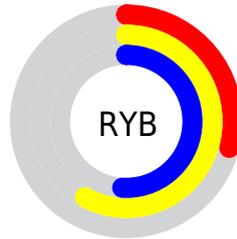
The XYZ color **16.2735, 23.9631, 10.4242** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.2226, 11.9963, 29.4261**, and the grayscale version is **18.8833, 19.8667, 21.6348**.

A 20% lighter version of the original color is **36.4993, 49.7415, 27.0794**, and **5.3476, 9.0796, 2.5076** is the 20% darker color. If you saturate the color by 10%, you get **14.7744, 23.2429, 8.0106**, and if you desaturate by 10%, it is **18.0617, 24.8202, 13.4676**.

Distribution



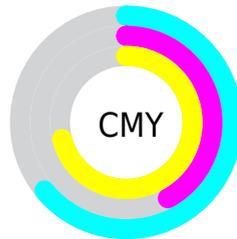
- Red (36%)
- Green (58%)
- Blue (29%)



- Red (29%)
- Yellow (58%)
- Blue (51%)



- Cyan (38%)
- Magenta (0%)
- Yellow (49%)
- Black (42%)



- Cyan (64%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2735, 23.9631, 10.4242 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 16.2735, 23.9631, 10.4242 by changing the saturation by 10% instead.

■ 16.2735, 23.9631,
10.4242

■ 16.2735, 23.9631,
10.4242

224.1890,
272.6339, 204.2670

■ 9.8100, 15.3063,
5.5718

■ 36.6260, 49.9700,
27.2106

■ 5.3344, 9.0346,
2.5220

■ 51.2457, 68.0888,
39.9817

■ 2.4816, 4.7638,
0.8518

■ 69.3148, 90.1304,
56.2294

■ 0.8860, 2.1093,
0.0000

■ 91.1986, 116.4792,
76.3724

■ 0.0000, 0.6699,
0.0000

■ 117.2626,
147.5195, 100.8291

■ 0.0000, 0.0000,
0.0000

147.8721,

183.6358, 130.0180

183.3925,
225.2125, 164.3578

■ 16.2735, 23.9631,
10.4242

■ 16.2735, 23.9631,
10.4242

■ 14.7744, 23.2429,
8.0106

■ 18.0617, 24.8202,
13.4676

■ 13.5468, 22.6493,
6.1811

■ 20.1517, 25.8176,
17.1789

■ 12.5738, 22.1753,
4.8865

■ 22.5578, 26.9627,
21.5952

■ 11.8356, 21.8121,
4.0688

■ 25.2926, 28.2613,
26.7505

■ 11.2968, 21.5443,
3.5918

■ 28.3680, 29.7188,
32.6763

 11.2654, 21.5288,
3.5617

 31.7956, 31.3405,
39.4025

 35.5861, 33.1312,
46.9575

 39.7499, 35.0959,
55.3680

 44.2968, 37.2390,
64.6597

Harmonies

Analogous

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



20.2071, 23.9631, 6.8174



16.2735, 23.9631, 10.4242



14.2605, 23.9631, 19.2963

Triad

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



16.2735, 23.9631, 10.4242



20.2600, 23.9631, 65.8152



34.1254, 23.9631, 19.1625

Complementary

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



16.2735, 23.9631, 10.4242



17.2226, 11.9963, 29.4261

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.



34.1455, 23.9631, 34.3202



16.2735, 23.9631, 10.4242



25.5543, 23.9631, 65.7338

Square

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



16.2735, 23.9631, 10.4242



16.3070, 23.9631, 52.8199



30.8147, 23.9631, 52.6279



30.7634, 23.9631, 10.3592

Rectangle

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



16.2735, 23.9631, 10.4242



14.0429, 23.9631, 28.8155



30.8147, 23.9631, 52.6279



34.5385, 23.9631, 23.5453

Sweetspot

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



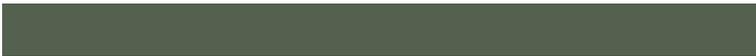
16.2741, 23.9641, 10.4247



41.6713, 48.4613, 41.6028



21.5956, 23.0286, 9.9637



9.3068, 10.9648, 9.1108



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.2741, 23.9641, 10.4247



25.8643, 40.9110, 13.8189



15.5337, 23.4933, 14.4163



5.8485, 6.5297, 6.1926



9.6431, 18.3991, 3.0431



0.1404, 0.2368, 0.0383

Inverse Universe

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



17.2226, 11.9963, 29.4261



27.6973, 17.2769, 51.3096



18.6612, 12.9012, 22.1142



5.9047, 5.8418, 7.2861



10.4665, 4.8683, 24.3191



0.1538, 0.0728, 0.2989

Previews

White Background



This preview shows how the XYZ color 16.2735, 23.9631, 10.4242 looks on a white background.

Color Contrast Check

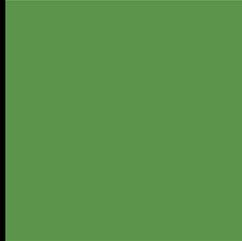
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2735, 23.9631, 10.4242 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 × Fail

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

XYZ 16.2735, 23.9631, 10.4242

Background



This preview shows how black text looks on a background with the XYZ color 16.2735, 23.9631, 10.4242.



This preview shows how white text looks on a background with the XYZ color 16.2735, 23.9631,

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

16.2735, 23.9631, 10.4242

Protanopia

21.6632, 23.6954, 9.2263

Deuteranopia

24.0674, 23.6989, 10.8953



Tritanopia

20.7897, 23.9938, 32.8137

Trichromacy



Original Color

16.2735, 23.9631, 10.4242

Protanomaly

19.1547, 23.4451, 9.6467

Deuteranomaly

20.3556, 23.1964, 10.6122

Tritanomaly

18.6531, 23.7843, 22.3466

Monochromacy



Original Color

16.2735, 23.9631, 10.4242

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.5349, 20.9879, 16.7625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2735, 23.9631, 10.4242 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(92, 148, 75)` looks like.

```
.text, #text, p{  
    color:rgb(92, 148, 75)  
}
```

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(92, 148, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 148, 75) }
```

Border

The CSS property to change the border of an element to XYZ 16.2735, 23.9631, 10.4242 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(92, 148, 75) }
```

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

```
.border{ border-color:rgb(92, 148, 75) }
```

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

Here you see how a box with a 4 pixel rgb(92, 148, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 148, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 148, 75);  
box-shadow:4px 4px 4px 4px rgb(92, 148,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2735, 23.9631, 10.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 148, 75) }
```

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

```
.background{ background-color: rgb(92, 148,  
75) }
```

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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