

Converting Colors

XYZ(16.4299, 25.0441, 19.2069)

Have a look what the booklet for
XYZ(16.4299, 25.0441, 19.2069)
contains.

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Color

**XYZ(16.4302, 25.0423,
19.2969)**

Conversions

Conversions Part 1

Format	Color
Hex	409970
RGB	64, 153, 112
RGB Percent	25%, 60%, 44%
CMY	0.7490, 0.4000, 0.5608
CMYK	0.58, 0.00, 0.27, 0.40
HSL	152°, 41%, 43%
HSV	152°, 58%, 60%
XYZ	16.4302, 25.0423, 19.2969
YIQ	121.7150, -39.8830, -31.6190

Conversions

Conversions Part 2

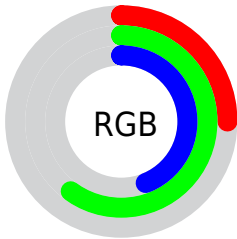
Format	Color
RYB	64, 122, 153
Decimal	4233584
CIELab	57.12, -36.63, 13.72
CIELCh	57, 39.114, 159.463
Yxy	25.0423, 0.2704, 0.4121
Android (android.graphics.Color)	4282423664 (0xFF409970)
YUV	121.7150, -4.7895, -50.6161
Hunter-Lab	50.0423, -28.9677, 12.1667

Details

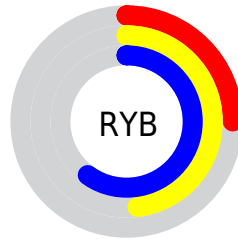
The XYZ color **16.4302, 25.0423, 19.2969** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.5209, 11.4596, 14.6540**, and the grayscale version is **18.4307, 19.3906, 21.1163**.

A 20% lighter version of the original color is **36.8645, 51.7140, 43.1608**, and **5.5791, 9.6775, 6.4244** is the 20% darker color. If you saturate the color by 10%, you get **15.1913, 24.4479, 17.2701**, and if you desaturate by 10%, it is **17.9741, 25.7917, 21.4995**.

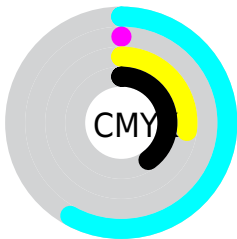
Distribution



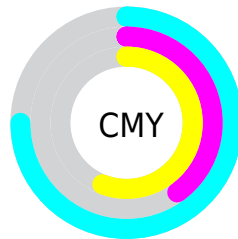
- Red (25%)
- Green (60%)
- Blue (44%)



- Red (25%)
- Yellow (48%)
- Blue (60%)



- Cyan (58%)
- Magenta (0%)
- Yellow (27%)
- Black (40%)



- Cyan (75%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4302, 25.0423, 19.2969 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 16.4302, 25.0423, 19.2969 by changing the saturation by 10% instead.

■ 16.4302, 25.0423,
19.2969

■ 16.4302, 25.0423,
19.2969

225.0879,
278.0485, 260.5601

■ 9.9219, 16.1086,
11.7060

■ 36.8949, 51.7258,
43.0786

■ 5.4090, 9.6010,
6.4237

■ 51.5820, 70.2444,
60.1064

■ 2.5264, 5.1352,
3.0315

■ 69.7260, 92.7268,
81.1170

■ 0.9086, 2.3268,
1.1107

■ 91.6923, 119.5573,
106.5289

■ 0.0000, 0.7879,
0.0000

■ 117.8463,
151.1203, 136.7606

■ 0.0000, 0.0000,
0.0000

148.5533,

187.8003, 172.2307

184.1787,
229.9815, 213.3577

■ 16.4302, 25.0423,
19.2969

■ 16.4302, 25.0423,
19.2969

■ 15.1913, 24.4479,
17.2701

■ 17.9741, 25.7917,
21.4995

■ 14.2319, 23.9934,
15.4126

■ 19.8421, 26.7039,
23.8806

■ 13.5251, 23.6658,
13.7200

■ 22.0538, 27.7897,
26.4452

■ 13.0194, 23.4385,
12.1858

■ 24.6269, 29.0579,
29.1975

■ 12.9344, 23.4005,
11.9211

■ 27.5776, 30.5169,
32.1413

■ 30.9212, 32.1746,
35.2806

■ 34.6721, 34.0383,
38.6190

■ 38.8440, 36.1149,
42.1603

■ 43.4500, 38.4112,
45.9079

Harmonies

Analogous

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



18.6020, 25.0423, 11.9911



16.4302, 25.0423, 19.2969



16.0869, 25.0423, 31.6560

Triad

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



16.4302, 25.0423, 19.2969



25.2889, 25.0423, 60.7457



31.3204, 25.0423, 14.1076

Complementary

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



16.4302, 25.0423, 19.2969



17.5209, 11.4596, 14.6540

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.



33.6573, 25.0423, 23.3034



16.4302, 25.0423, 19.2969



29.8905, 25.0423, 51.9301

Square

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



16.4302, 25.0423, 19.2969



20.8264, 25.0423, 58.6088



33.1027, 25.0423, 37.1751



27.0483, 25.0423, 9.7363

Rectangle

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



16.4302, 25.0423, 19.2969



16.8897, 25.0423, 41.7524



33.1027, 25.0423, 37.1751



32.3818, 25.0423, 16.5914

Sweetspot

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



16.4309, 25.0433, 19.2975



44.5165, 52.2419, 52.7135



18.2060, 26.1894, 8.9463



9.6335, 11.4387, 11.4372



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.4309, 25.0433, 19.2975



26.6002, 43.4937, 29.8259



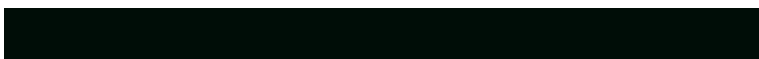
18.7766, 25.2143, 34.0154



6.2644, 6.9785, 7.3159



10.7066, 19.3461, 9.9417



0.1784, 0.2966, 0.2453

Inverse Universe

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



17.5209, 11.4596, 14.6540



28.7514, 16.7762, 20.7290



16.0682, 11.1533, 6.1567



6.3212, 6.2677, 7.0717



11.8003, 5.9744, 5.4734



0.1945, 0.0966, 0.1771

Previews

White Background



This preview shows how the XYZ color 16.4302, 25.0423, 19.2969 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 16.4302, 25.0423, 19.2969 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 16.4302, 25.0423, 19.2969

Background



This preview shows how black text looks on a background with the XYZ color 16.4302, 25.0423, 19.2969.



This preview shows how white text looks on a background with the XYZ color 16.4302, 25.0423,

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

16.4302, 25.0423, 19.2969

Protanopia

23.1569, 24.7188, 16.6474

Deuteranopia

25.0375, 24.5849, 20.2554



Tritanopia

19.9162, 25.0329, 36.5830

Trichromacy



Original Color

16.4302, 25.0423, 19.2969

Protanomaly

19.5293, 24.1205, 17.5363

Deuteranomaly

20.4955, 23.9140, 19.7553

Tritanomaly

18.4540, 24.9037, 29.4255

Monochromacy



Original Color

16.4302, 25.0423, 19.2969

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.0244, 20.8498, 20.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4302, 25.0423, 19.2969 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(64, 153, 112)` looks like.

```
.text, #text, p{  
    color:rgb(64, 153, 112)  
}
```

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(64, 153, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 153, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.4302, 25.0423, 19.2969 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(64, 153, 112) }
```


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

```
.border{ border-color:rgb(64, 153, 112) }
```

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

Here you see how a box with a 4 pixel rgb(64, 153, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 153, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 153, 112);  
box-shadow:4px 4px 4px 4px rgb(64, 153,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4302, 25.0423, 19.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 153, 112) }
```

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

```
.background{ background-color: rgb(64, 153,  
112) }
```

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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