

Converting Colors

XYZ(23.9458, 20.9969, 16.8481)

Have a look what the booklet for
XYZ(23.9458, 20.9969, 16.8481)
contains.

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Color

**XYZ(24.0339, 21.0099,
16.9759)**

Conversions

Conversions Part 1

Format	Color
Hex	A4726C
RGB	164, 114, 108
RGB Percent	64%, 45%, 42%
CMY	0.3569, 0.5529, 0.5765
CMYK	0.00, 0.30, 0.34, 0.36
HSL	6°, 24%, 53%
HSV	6°, 34%, 64%
XYZ	24.0339, 21.0099, 16.9759
YIQ	128.2660, 31.7260, 8.7340

Conversions

Conversions Part 2

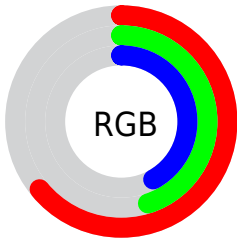
Format	Color
RYB	164, 115, 108
Decimal	10777196
CIELab	52.96, 18.94, 11.25
CIElCh	53, 22.027, 30.724
Yxy	21.0099, 0.3875, 0.3388
Android (android.graphics.Color)	4288967276 (0xFFA4726C)
YUV	128.2660, -9.9911, 31.3387
Hunter-Lab	45.8366, 13.3806, 10.1271

Details

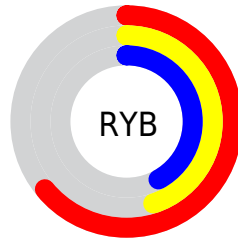
The XYZ color **24.0339, 21.0099, 16.9759** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1114, 30.3208, 39.6508**, and the grayscale version is **20.6366, 21.7113, 23.6436**.

A 20% lighter version of the original color is **49.4094, 44.9913, 38.8809**, and **9.2881, 7.4970, 5.3724** is the 20% darker color. If you saturate the color by 10%, you get **21.7205, 17.6509, 12.2961**, and if you desaturate by 10%, it is **26.7770, 24.9654, 22.6094**.

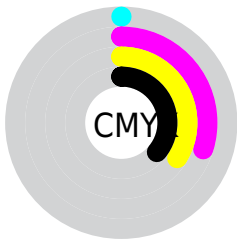
Distribution



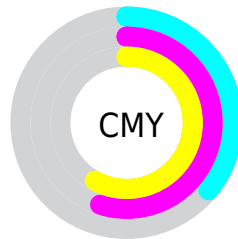
- Red (64%)
- Green (45%)
- Blue (42%)



- Red (64%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (30%)
- Yellow (34%)
- Black (36%)





- Cyan (36%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0339, 21.0099, 16.9759 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 24.0339, 21.0099, 16.9759 by changing the saturation by 10% instead.


 24.0339, 21.0099,
16.9759


 24.0339, 21.0099,
16.9759


265.4291,
257.3311, 247.0727


 15.4836, 13.1312,
10.0555


 49.5398, 45.1040,
39.0744


 9.2480, 7.5190,
5.3297


 67.2261, 62.0882,
55.0897

 4.9617, 3.7887,
2.3799

 88.6885, 82.8765,
74.9736

 2.2593, 1.5561,
0.7755

 114.2924,
107.8531, 99.1448

 0.7737, 0.3277,
0.0000

144.4030,
137.4024, 128.0217

 0.0000, 0.0000,
0.0000

179.3858,

171.9090, 162.0230

219.6060,
211.7571, 201.5672

■ 24.0339, 21.0099,
16.9759

■ 24.0339, 21.0099,
16.9759

■ 21.7205, 17.6509,
12.2961

■ 26.7770, 24.9654,
22.6094

■ 19.8133, 14.8565,
8.5160

■ 29.9684, 29.5412,
29.2441

■ 18.2892, 12.5965,
5.5781

■ 33.6276, 34.7634,
36.9258

■ 17.1220, 10.8367,
3.4176

■ 37.7724, 40.6559,
45.6971

■ 16.2822, 9.5389,
1.9604

■ 42.4197, 47.2413,
55.5983

■ 15.7352, 8.6592,
1.1178

■ 47.5855, 54.5411,
66.6675

■ 15.5194, 8.3117,
0.7864

■ 53.2854, 62.5758,
78.9411

■ 59.5339, 71.3654,
92.4539

■ 66.2485, 80.8900,
106.7294

Harmonies

Analogous

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



24.7455, 21.0099, 22.7160



24.0339, 21.0099, 16.9759



22.2199, 21.0099, 13.4815

Triad

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



24.0339, 21.0099, 16.9759



16.3418, 21.0099, 17.2049



20.0254, 21.0099, 38.0900

Complementary

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



24.0339, 21.0099, 16.9759



25.1114, 30.3208, 39.6508

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.



17.8760, 21.0099, 35.8553



24.0339, 21.0099, 16.9759



15.8510, 21.0099, 23.0372

Square

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



24.0339, 21.0099, 16.9759



17.7859, 21.0099, 13.5947



16.3909, 21.0099, 30.0062



22.3244, 21.0099, 35.6390

Rectangle

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



24.0339, 21.0099, 16.9759



20.6935, 21.0099, 12.4826



16.3909, 21.0099, 30.0062



19.2622, 21.0099, 37.8583

Sweetspot

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



24.0345, 21.0109, 16.9763



56.9233, 57.2312, 58.3700



26.8785, 21.1002, 35.1846



12.2558, 12.2423, 12.3652



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.0345, 21.0109, 16.9763



40.3555, 33.3927, 24.1853



27.6302, 28.2024, 18.1749



7.1321, 7.2026, 7.3944



11.9180, 6.4100, 0.6091



0.2674, 0.1687, 0.0185

Inverse Universe

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



25.1114, 30.3208, 39.6508



42.6029, 52.8891, 71.7155



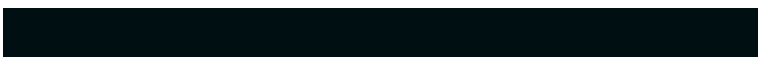
20.9212, 21.9405, 38.2541



7.2110, 7.8809, 9.0442



13.0894, 17.9583, 29.7062



0.2923, 0.4119, 0.6299

Previews

White Background



This preview shows how the XYZ color 24.0339, 21.0099, 16.9759 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 24.0339, 21.0099, 16.9759 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 24.0339, 21.0099, 16.9759

Background



This preview shows how black text looks on a background with the XYZ color 24.0339, 21.0099, 16.9759.



This preview shows how white text looks on a background with the XYZ color 24.0339, 21.0099,

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

24.0339, 21.0099, 16.9759

Protanopia

20.0138, 21.0421, 18.9263

Deuteranopia

21.4674, 21.0916, 16.8495



Tritanopia

24.7624, 20.9681, 20.8313

Trichromacy



Original Color

24.0339, 21.0099, 16.9759

Protanomaly

21.3858, 21.0182, 18.2590

Deuteranomaly

22.3875, 21.0275, 16.7887

Tritanomaly

24.5746, 21.0705, 19.2948

Monochromacy



Original Color

24.0339, 21.0099, 16.9759

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.5187, 21.2091, 21.0488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0339, 21.0099, 16.9759 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(164, 114, 108)` looks like.

```
.text, #text, p{  
    color:rgb(164, 114, 108)  
}
```

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(164, 114, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 114, 108) }
```

Border

The CSS property to change the border of an element to XYZ 24.0339, 21.0099, 16.9759 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(164, 114, 108) }
```


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

```
.border{ border-color:rgb(164, 114, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 114, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 114, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 114, 108);  
box-shadow:4px 4px 4px 4px rgb(164, 114,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0339, 21.0099, 16.9759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 114, 108) }
```

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

```
.background{ background-color: rgb(164,  
114, 108) }
```

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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