

Converting Colors

XYZ(12.5026, 12.7692, 39.8323)

Have a look what the booklet for
XYZ(12.5026, 12.7692, 39.8323)
contains.

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Color

**XYZ(12.5319, 12.8224,
39.8447)**

Conversions

Conversions Part 1

Format	Color
Hex	1A67AA
RGB	26, 103, 170
RGB Percent	10%, 40%, 67%
CMY	0.8980, 0.5961, 0.3333
CMYK	0.85, 0.39, 0.00, 0.33
HSL	208°, 73%, 38%
HSV	208°, 85%, 67%
XYZ	12.5319, 12.8224, 39.8447
YIQ	87.6150, -67.3990, 4.5130

Conversions

Conversions Part 2

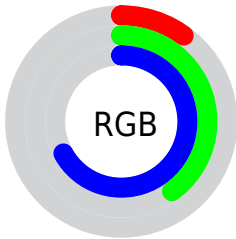
Format	Color
R_{YB}	26, 76, 170
Decimal	1730474
CIE _{Lab}	42.49, 2.35, -42.20
CIE _{LCh}	42, 42.267, 273.193
Yxy	12.8224, 0.1922, 0.1967
Android (android.graphics.Color)	4279920554 (0xFF1A67AA)
YUV	87.6150, 40.6158, -54.0364
Hunter-Lab	35.8084, -0.1948, -40.9073

Details

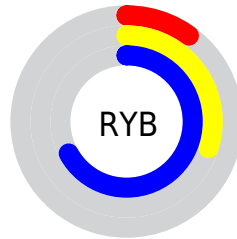
The XYZ color **12.5319, 12.8224, 39.8447** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.6796, 16.4514, 3.0635**, and the grayscale version is **9.1181, 9.5930, 10.4467**.

A 20% lighter version of the original color is **30.2128, 31.1436, 76.3704**, and **4.6740, 4.2106, 17.3960** is the 20% darker color. If you saturate the color by 10%, you get **11.4690, 11.1613, 39.5804**, and if you desaturate by 10%, it is **13.9273, 14.7657, 40.1465**.

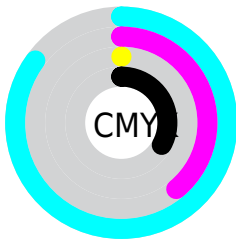
Distribution



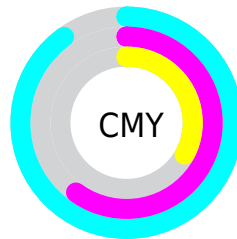
- Red (10%)
- Green (40%)
- Blue (67%)



- Red (10%)
- Yellow (30%)
- Blue (67%)



- Cyan (85%)
- Magenta (39%)
- Yellow (0%)
- Black (33%)



- Cyan (90%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5319, 12.8224, 39.8447 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 12.5319, 12.8224, 39.8447 by changing the saturation by 10% instead.

■ 12.5319, 12.8224,
39.8447

■ 12.5319, 12.8224,
39.8447

201.5943,
209.7763, 361.0012

■ 7.1818, 7.3064,
27.1046

■ 30.0687, 30.9843,
76.1615

■ 3.6234, 3.6544,
17.4187

■ 42.9862, 44.3990,
100.5752

■ 1.4914, 1.4822,
10.3683

■ 59.1568, 61.2154,
129.7173

■ 0.3199, 0.2761,
5.5351

■ 78.9458, 81.8179,
164.0062

■ 0.0000, 0.0000,
2.5003

■ 102.7188,
106.5908, 203.8605

■ 0.0000, 0.0000,
0.8403

■ 130.8409,

■ 0.0000, 0.0000,

135.9186, 249.6988

0.0000

163.6777,
170.1856, 301.9395

■ 12.5319, 12.8224,
39.8447

■ 12.5319, 12.8224,
39.8447

■ 11.4690, 11.1613,
39.5804

■ 13.9273, 14.7657,
40.1465

■ 10.9881, 10.3670,
39.4524

■ 15.6956, 17.0146,
40.4874

■ 17.8721, 19.5902,
40.8698

■ 20.4872, 22.5109,
41.2958

■ 23.5683, 25.7935,
41.7670

■ 27.1401, 29.4532,
42.2851

■ 31.2256, 33.5044,
42.8518

■ 35.8464, 37.9606,
43.4683

■ 41.0226, 42.8346,
44.1363

Harmonies

Analogous

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



9.6268, 12.8224, 36.2198



12.5319, 12.8224, 39.8447



15.8602, 12.8224, 34.4050

Triad

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



12.5319, 12.8224, 39.8447



18.0696, 12.8224, 6.3877



7.4945, 12.8224, 7.4470

Complementary

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



12.5319, 12.8224, 39.8447



20.6796, 16.4514, 3.0635

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.



9.1303, 12.8224, 3.8215



12.5319, 12.8224, 39.8447



15.1658, 12.8224, 3.4240

Square

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



12.5319, 12.8224, 39.8447



19.3885, 12.8224, 13.0063



11.8491, 12.8224, 2.7460



7.0348, 12.8224, 14.9621

Rectangle

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



12.5319, 12.8224, 39.8447



17.7829, 12.8224, 27.3399



11.8491, 12.8224, 2.7460



7.9091, 12.8224, 5.8643

Sweetspot

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



12.5324, 12.8228, 39.8450



48.7215, 52.9140, 76.6474



16.6811, 29.7215, 14.7115



10.3542, 11.2811, 17.0194



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



12.5324, 12.8228, 39.8450



19.7165, 18.3695, 71.5084



8.2318, 4.2215, 38.4115



7.4514, 7.9398, 9.5581



8.1392, 7.7386, 29.0402



0.2485, 0.2892, 0.7234

Inverse Universe

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



19.3956, 10.2647, 13.7913



33.3853, 16.8287, 18.8223



29.8262, 34.7446, 6.1123



7.6925, 7.6068, 8.6977



13.6089, 6.8523, 8.0179



0.3566, 0.1769, 0.3292

Previews

White Background



This preview shows how the XYZ color 12.5319, 12.8224, 39.8447 looks on a white 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

Black Background



This preview shows how the XYZ color 12.5319, 12.8224, 39.8447 looks on a black 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

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

XYZ 12.5319, 12.8224, 39.8447

Background



This preview shows how black text looks on a background with the XYZ color 12.5319, 12.8224, 39.8447.



This preview shows how white text looks on a background with the XYZ color 12.5319, 12.8224,

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

12.5319, 12.8224, 39.8447

Protanopia

13.8317, 12.8297, 37.3447

Deuteranopia

13.2233, 12.8760, 40.3165



Tritanopia

9.0142, 12.7008, 19.4292

Trichromacy



Original Color

12.5319, 12.8224, 39.8447

Protanomaly

13.1078, 12.7166, 38.3229

Deuteranomaly

12.9771, 12.8941, 40.3329

Tritanomaly

10.0627, 12.6182, 25.9499

Monochromacy



Original Color

12.5319, 12.8224, 39.8447

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.3643, 10.2605, 18.6265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5319, 12.8224, 39.8447 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(26, 103, 170)` looks like.

```
.text, #text, p{  
    color:rgb(26, 103, 170)  
}
```

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(26, 103, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 103, 170) }
```

Border

The CSS property to change the border of an element to XYZ 12.5319, 12.8224, 39.8447 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(26, 103, 170) }
```


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

```
.border{ border-color:rgb(26, 103, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 103, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 103, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 103, 170);  
box-shadow:4px 4px 4px 4px rgb(26, 103,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5319, 12.8224, 39.8447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 103, 170) }
```

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

```
.background{ background-color: rgb(26, 103,  
170) }
```

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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