

Converting Colors

XYZ(16.0133, 19.4474, 40.1019)

Have a look what the booklet for
XYZ(16.0133, 19.4474, 40.1019)
contains.

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Color

**XYZ(16.0209, 19.4911,
39.9636)**

Conversions

Conversions Part 1

Format	Color
Hex	2783A8
RGB	39, 131, 168
RGB Percent	15%, 51%, 66%
CMY	0.8470, 0.4863, 0.3412
CMYK	0.77, 0.22, 0.00, 0.34
HSL	197°, 62%, 41%
HSV	197°, 77%, 66%
XYZ	16.0209, 19.4911, 39.9636
YIQ	107.7100, -66.7090, -7.9970

Conversions

Conversions Part 2

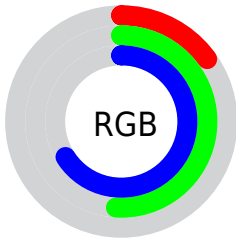
Format	Color
R_{YB}	39, 93, 168
Decimal	2589608
CIE _{Lab}	51.26, -13.70, -27.24
CIE _{LCh}	51, 30.489, 243.292
Yxy	19.4911, 0.2123, 0.2582
Android (android.graphics.Color)	4280779688 (0xFF2783A8)
YUV	107.7100, 29.7230, -60.2587
Hunter-Lab	44.1487, -12.4853, -22.7654

Details

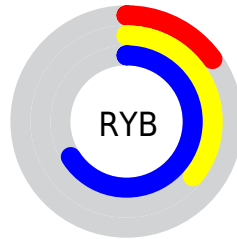
The XYZ color **16.0209, 19.4911, 39.9636** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.1001, 13.6416, 3.5467**, and the grayscale version is **14.1067, 14.8413, 16.1622**.

A 20% lighter version of the original color is **36.1687, 42.5517, 76.1191**, and **6.1697, 7.2955, 17.6060** is the 20% darker color. If you saturate the color by 10%, you get **14.8877, 17.9687, 39.7299**, and if you desaturate by 10%, it is **17.4672, 21.2203, 40.2215**.

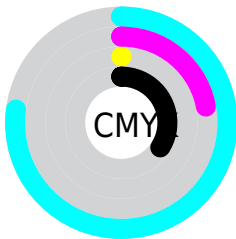
Distribution



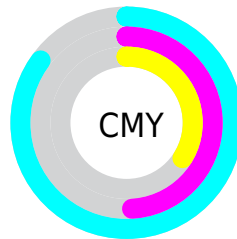
- Red (15%)
- Green (51%)
- Blue (66%)



- Red (15%)
- Yellow (36%)
- Blue (66%)



- Cyan (77%)
- Magenta (22%)
- Yellow (0%)
- Black (34%)



- Cyan (85%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0209, 19.4911, 39.9636 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 16.0209, 19.4911, 39.9636 by changing the saturation by 10% instead.

■ 16.0209, 19.4911,
39.9636

■ 16.0209, 19.4911,
39.9636

■ 222.7330,
249.1467, 361.5177

■ 9.6299, 12.0257,
27.1966

■ 36.1916, 42.5623,
76.3446

■ 5.2146, 6.7612,
17.4872

■ 50.7021, 58.9369,
100.7956

■ 2.4098, 3.3132,
10.4168

■ 68.6497, 79.0500,
129.9784

■ 0.8500, 1.2973,
5.5670

■ 90.3998, 103.2859,
164.3115

■ 0.0000, 0.1391,
2.5191

■ 116.3179,
132.0292, 204.2134

■ 0.0000, 0.0000,
0.8503

■ 146.7692,

■ 0.0000, 0.0000,

165.6641, 250.1027

0.0000

182.1191,
204.5752, 302.3980

■ 16.0209, 19.4911,
39.9636

■ 16.0209, 19.4911,
39.9636

■ 14.8877, 17.9687,
39.7299

■ 17.4672, 21.2203,
40.2215

■ 14.0174, 16.6255,
39.5165

■ 19.2580, 23.1721,
40.5039

■ 13.7619, 16.2150,
39.4507

■ 21.4228, 25.3625,
40.8126

■ 23.9875, 27.8055,
41.1489

■ 26.9751, 30.5136,
41.5142

■ 30.4073, 33.4983,
41.9094

■ 34.3039, 36.7705,
42.3356

■ 38.6835, 40.3403,
42.7938

■ 43.5637, 44.2173,
43.2850

Harmonies

Analogous

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



14.0568, 19.4911, 31.8010



16.0209, 19.4911, 39.9636



18.8634, 19.4911, 42.7054

Triad

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



16.0209, 19.4911, 39.9636



24.9953, 19.4911, 20.2756



15.4990, 19.4911, 10.0799

Complementary

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



16.0209, 19.4911, 39.9636



19.1001, 13.6416, 3.5467

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.



18.1921, 19.4911, 8.5133



16.0209, 19.4911, 39.9636



23.8536, 19.4911, 13.2962

Square

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



16.0209, 19.4911, 39.9636



24.2531, 19.4911, 29.6702



21.2789, 19.4911, 9.5059



13.7794, 19.4911, 14.5529

Rectangle

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



16.0209, 19.4911, 39.9636



20.9344, 19.4911, 40.6101



21.2789, 19.4911, 9.5059



16.3092, 19.4911, 9.2612

Sweetspot

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



16.0216, 19.4918, 39.9641



50.9493, 57.1324, 75.5674



16.1290, 28.9528, 11.4954



10.6541, 12.0552, 16.4175



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.



16.0216, 19.4918, 39.9641



25.8868, 30.8946, 71.8240



9.9097, 7.2680, 37.9268



7.5630, 8.1630, 9.5953



10.4377, 12.3356, 29.8064



0.2944, 0.3810, 0.7387

Inverse Universe

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



20.9713, 11.4154, 22.5714



35.9837, 18.1130, 35.5167



25.9008, 27.2431, 5.8136



7.7488, 7.6294, 8.9943



14.7691, 7.3163, 14.1273



0.3797, 0.1862, 0.4512

Previews

White Background



This preview shows how the XYZ color 16.0209, 19.4911, 39.9636 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 16.0209, 19.4911, 39.9636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

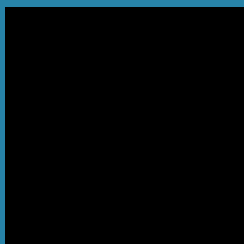
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

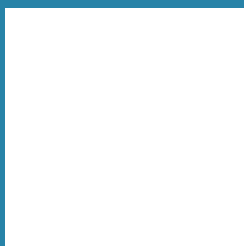
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0209, 19.4911, 39.9636

Background



This preview shows how black text looks on a background with the XYZ color 16.0209, 19.4911, 39.9636.

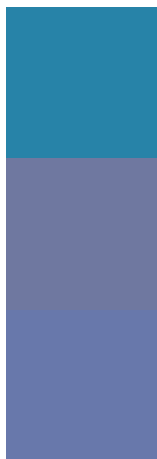


This preview shows how white text looks on a background with the XYZ color 16.0209, 19.4911,

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

16.0209, 19.4911, 39.9636

Protanopia

19.6172, 19.3505, 35.9588

Deuteranopia

19.7761, 19.3163, 41.2142



Tritanopia

13.9649, 19.4613, 30.2145

Trichromacy



Original Color

16.0209, 19.4911, 39.9636

Protanomaly

17.5648, 18.9909, 37.3902

Deuteranomaly

17.7716, 19.0231, 40.7654

Tritanomaly

14.6463, 19.5320, 33.5700

Monochromacy



Original Color

16.0209, 19.4911, 39.9636

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8419, 15.9415, 23.4666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0209, 19.4911, 39.9636 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(39, 131, 168)` looks like.

```
.text, #text, p{  
    color:rgb(39, 131, 168)  
}
```

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(39, 131, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 131, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.0209, 19.4911, 39.9636 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(39, 131, 168) }
```


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

```
.border{ border-color:rgb(39, 131, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 131, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 131, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 131, 168);  
box-shadow:4px 4px 4px 4px rgb(39, 131,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0209, 19.4911, 39.9636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 131, 168) }
```

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

```
.background{ background-color: rgb(39, 131,  
168) }
```

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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