

Converting Colors

XYZ(9.3367, 10.6899, 39.2977)

Have a look what the booklet for
XYZ(9.3367, 10.6899, 39.2977)
contains.

XYZ(11.7186, 11.9789, 39.2306)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.7186, 11.9789,
39.2306)**

Conversions

Conversions Part 1

Format	Color
Hex	0064A9
RGB	0, 100, 169
RGB Percent	0%, 39%, 66%
CMY	0.9999, 0.6078, 0.3373
CMYK	1.00, 0.41, 0.00, 0.34
HSL	205°, 100%, 33%
HSV	205°, 100%, 66%
XYZ	11.7186, 11.9789, 39.2306
YIQ	77.9660, -81.7490, 0.2590

Conversions

Conversions Part 2

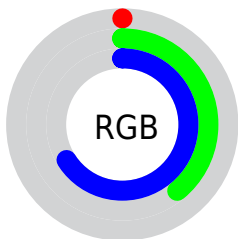
Format	Color
R _Y B	0, 63, 169
Decimal	25769
CIE Lab	41.18, 2.38, -43.72
CIE LCh	41, 43.789, 273.116
Yxy	11.9789, 0.1862, 0.1904
Android (android.graphics.Color)	4278215849 (0xFF0064A9)
YUV	77.9660, 44.8798, -68.3762
Hunter-Lab	34.6105, -0.1311, -42.9771

Details

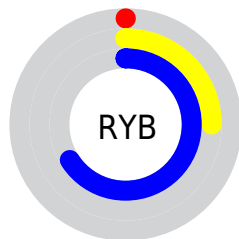
The XYZ color **11.7186, 11.9789, 39.2306** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.4925, 12.6952, 1.4767**, and the grayscale version is **7.1661, 7.5393, 8.2103**.

A 20% lighter version of the original color is **28.6168, 29.3728, 75.3954**, and **4.4716, 3.8993, 17.0400** is the 20% darker color. If you saturate the color by 10%, you get **11.7175, 11.9766, 39.2305**, and if you desaturate by 10%, it is **12.6389, 13.4781, 39.4717**.

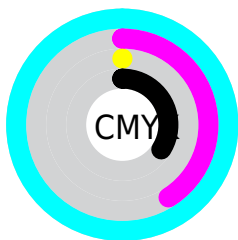
Distribution



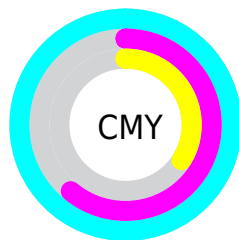
- Red (0%)
- Green (39%)
- Blue (66%)



- Red (0%)
- Yellow (25%)
- Blue (66%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (61%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7186, 11.9789, 39.2306 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 11.7186, 11.9789, 39.2306 by changing the saturation by 10% instead.

■ 11.7186, 11.9789,
39.2306

■ 11.7186, 11.9789,
39.2306

196.3415,
204.2656, 358.3251

■ 6.6232, 6.7293,
26.6300

■ 28.6029, 29.4567,
75.2147

■ 3.2718, 3.2934,
17.0655

■ 41.1225, 42.4536,
99.4352

■ 1.2991, 1.2868,
10.1188

■ 56.8475, 58.8019,
128.3661

■ 0.1825, 0.1309,
5.3711

■ 76.1433, 78.8857,
162.4259

■ 0.0000, 0.0000,
2.4041

■ 99.3752, 103.0896,
202.0332

■ 0.0000, 0.0000,
0.7887

■ 126.9087,

■ 0.0000, 0.0000,

131.7980, 247.6064

0.0000

159.1090,
165.3952, 299.5642

■ 11.7186, 11.9789,
39.2306

■ 11.7186, 11.9789,
39.2306

■ 11.7175, 11.9766,
39.2305

■ 12.6389, 13.4781,
39.4717

■ 13.8108, 15.1921,
39.7408

■ 15.3147, 17.1645,
40.0423

■ 17.1876, 19.4160,
40.3781

■ 19.4607, 21.9647,
40.7503

■ 22.1620, 24.8266,
41.1603

■ 25.3163, 28.0164,
41.6098

■ 28.9469, 31.5476,
42.1000

■ 33.0751, 35.4329,
42.6323

Harmonies

Analogous

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



8.8561, 11.9789, 35.4955



11.7186, 11.9789, 39.2306



15.0331, 11.9789, 33.6859

Triad

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



11.7186, 11.9789, 39.2306



17.2621, 11.9789, 5.6658



6.7855, 11.9789, 6.6569

Complementary

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



11.7186, 11.9789, 39.2306



18.4925, 12.6952, 1.4767

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.



8.3816, 11.9789, 3.2302



11.7186, 11.9789, 39.2306



14.3560, 11.9789, 2.8719

Square

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



11.7186, 11.9789, 39.2306



18.5834, 11.9789, 12.1210



11.0589, 11.9789, 2.2479



6.3376, 11.9789, 14.0106

Rectangle

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



11.7186, 11.9789, 39.2306



16.9617, 11.9789, 26.5019



11.0589, 11.9789, 2.2479



7.1889, 11.9789, 5.1455

Sweetspot

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



11.7191, 11.9793, 39.2309



45.0042, 49.8425, 74.4737



15.2202, 28.7890, 10.1627



9.2950, 10.3490, 16.1598



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.



11.7191, 11.9793, 39.2309



20.7748, 21.0284, 70.1890



7.3612, 3.2635, 37.7783



7.4868, 8.0105, 9.5699



8.7865, 9.0332, 29.2560



0.2622, 0.3166, 0.7279

Inverse Universe

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



18.6629, 9.3559, 12.8790



33.3161, 16.7116, 22.4999



27.6075, 30.9252, 4.5150



7.7103, 7.6140, 8.7917



13.9356, 6.9830, 9.7385



0.3635, 0.1797, 0.3656

Previews

White Background



This preview shows how the XYZ color 11.7186, 11.9789, 39.2306 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 11.7186, 11.9789, 39.2306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

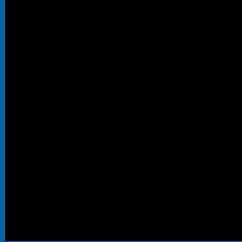
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7186, 11.9789, 39.2306

Background



This preview shows how black text looks on a background with the XYZ color 11.7186, 11.9789, 39.2306.



This preview shows how white text looks on a background with the XYZ color 11.7186, 11.9789,

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

11.7186, 11.9789, 39.2306

Protanopia

13.1769, 12.0937, 36.7618

Deuteranopia

12.2921, 11.9933, 39.2032



Tritanopia

8.4571, 11.9629, 18.0830

Trichromacy



Original Color

11.7186, 11.9789, 39.2306

Protanomaly

12.1539, 11.8162, 37.7166

Deuteranomaly

12.0000, 11.9824, 39.2165

Tritanomaly

9.4247, 11.8524, 24.7127

Monochromacy



Original Color

11.7186, 11.9789, 39.2306

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.5124, 8.4814, 16.2800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7186, 11.9789, 39.2306 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(0, 100, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 169)  
}
```

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(0, 100, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 169) }
```

Border

The CSS property to change the border of an element to XYZ 11.7186, 11.9789, 39.2306 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(0, 100, 169) }
```


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

```
.border{ border-color:rgb(0, 100, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7186, 11.9789, 39.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 169) }
```

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

```
.background{ background-color: rgb(0, 100,  
169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor