

Converting Colors

XYZ(12.0720, 11.2069, 39.0630)

Have a look what the booklet for
XYZ(12.0720, 11.2069, 39.0630)
contains.

XYZ(12.0720, 11.2069, 39.0630)	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(12.0720, 11.2069,
39.0630)**

Conversions

Conversions Part 1

Format	Color
Hex	2B5DA9
RGB	43, 93, 169
RGB Percent	17%, 36%, 66%
CMY	0.8313, 0.6353, 0.3373
CMYK	0.75, 0.45, 0.00, 0.34
HSL	216°, 59%, 42%
HSV	216°, 75%, 66%
XYZ	12.0720, 11.2069, 39.0630
YIQ	86.7140, -54.1960, 13.0360

Conversions

Conversions Part 2

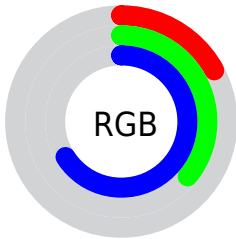
Format	Color
R_{YB}	43, 79, 169
Decimal	2842025
CIE _{Lab}	39.93, 10.27, -45.69
CIE _{LCh}	40, 46.827, 282.669
Yxy	11.2069, 0.1936, 0.1798
Android (android.graphics.Color)	4281032105 (0xFF2B5DA9)
YUV	86.7140, 40.5670, -38.3372
Hunter-Lab	33.4767, 5.7845, -45.7501




Details

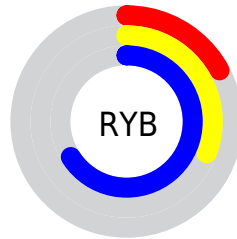
The XYZ color **12.0720, 11.2069, 39.0630** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.3960, 21.8047, 5.2618**, and the grayscale version is **8.9225, 9.3871, 10.2226**.




A 20% lighter version of the original color is **29.3569, 28.1453, 75.1195**, and **4.2093, 3.3749, 16.9526** is the 20% darker color. If you saturate the color by 10%, you get **10.6687, 9.2426, 38.7581**, and if you desaturate by 10%, it is **13.8890, 13.5617, 39.4220**.

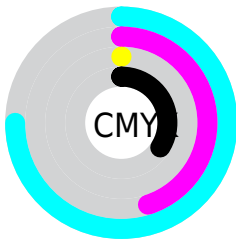
Distribution







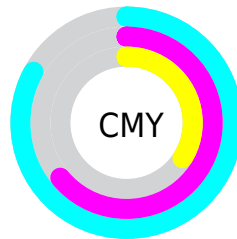
-  Red (17%)
-  Green (36%)
-  Blue (66%)






-  Red (17%)
-  Yellow (31%)
-  Blue (66%)



-  Cyan (75%)
-  Magenta (45%)
-  Yellow (0%)
-  Black (34%)



-  Cyan (83%)
-  Magenta (64%)
-  Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0720, 11.2069, 39.0630 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 12.0720, 11.2069, 39.0630 by changing the saturation by 10% instead.

■ 12.0720, 11.2069,
39.0630

■ 12.0720, 11.2069,
39.0630

■ 198.6416,
199.0816, 357.5922

■ 6.8653, 6.2062,
26.5005

■ 29.2419, 28.0421,
74.9560

■ 3.4236, 2.9709,
16.9694

■ 41.9358, 40.6454,
99.1235

■ 1.3815, 1.1165,
10.0509

■ 57.8561, 56.5517,
127.9965

■ 0.2430, 0.0000,
5.3267

■ 77.3682, 76.1453,
161.9935

■ 0.0000, 0.0000,
2.3781

■ 100.8374, 99.8108,
201.5331

■ 0.0000, 0.0000,
0.7745

■ 128.6292,

■ 0.0000, 0.0000,

127.9323, 247.0337

0.0000

161.1088,
160.8945, 298.9139

■ 12.0720, 11.2069,
39.0630

■ 12.0720, 11.2069,
39.0630

■ 10.6687, 9.2426,
38.7581

■ 13.8890, 13.5617,
39.4220

■ 9.6339, 7.6384,
38.5030

■ 16.1552, 16.3317,
39.8372

■ 9.1722, 6.8860,
38.3821

■ 18.9032, 19.5399,
40.3117

■ 22.1621, 23.2074,
40.8478

■ 25.9586, 27.3536,
41.4480

■ 30.3173, 31.9966,
42.1144

■ 35.2614, 37.1536,
42.8493

■ 40.8125, 42.8407,
43.6544

■ 46.9912, 49.0737,
44.5318

Harmonies

Analogous

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



8.9076, 11.2069, 38.2555



12.0720, 11.2069, 39.0630



15.4371, 11.2069, 30.4970

Triad

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



12.0720, 11.2069, 39.0630



15.8990, 11.2069, 3.6842



5.7571, 11.2069, 7.6357

Complementary

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



12.0720, 11.2069, 39.0630



23.3960, 21.8047, 5.2618

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.



6.9743, 11.2069, 3.2428



12.0720, 11.2069, 39.0630



12.6101, 11.2069, 1.8835

Square

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



12.0720, 11.2069, 39.0630



17.9284, 11.2069, 8.7041



9.3476, 11.2069, 1.7778



5.6708, 11.2069, 16.5312

Rectangle

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



12.0720, 11.2069, 39.0630



17.1726, 11.2069, 22.3199



9.3476, 11.2069, 1.7778



6.0343, 11.2069, 5.7248

Sweetspot

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



12.0725, 11.2072, 39.0633



48.0885, 50.7070, 74.4780



18.4906, 30.2123, 22.1850



10.0674, 10.6068, 16.1688



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.



12.0725, 11.2072, 39.0633



17.9145, 14.7443, 69.1268



9.6346, 5.4223, 38.0752



7.3669, 7.7708, 9.5300



6.8853, 5.2308, 28.6222



0.2177, 0.2277, 0.7131

Inverse Universe

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



19.2023, 10.9537, 11.4584



32.0099, 16.7158, 13.9980



28.4123, 35.6586, 7.6715



7.6498, 7.5898, 8.4731



12.9760, 6.5991, 4.6850



0.3410, 0.1707, 0.2474

Previews

White Background



This preview shows how the XYZ color 12.0720, 11.2069, 39.0630 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 12.0720, 11.2069, 39.0630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

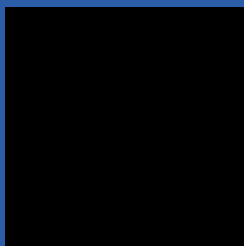
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0720, 11.2069, 39.0630

Background



This preview shows how black text looks on a background with the XYZ color 12.0720, 11.2069, 39.0630.



This preview shows how white text looks on a background with the XYZ color 12.0720, 11.2069,

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

12.0720, 11.2069, 39.0630

Protanopia

12.4611, 11.1717, 38.0588

Deuteranopia

11.3571, 11.1131, 38.5923



Tritanopia

7.8749, 11.0705, 17.0510

Trichromacy



Original Color

12.0720, 11.2069, 39.0630

Protanomaly

12.3632, 11.2383, 38.5634

Deuteranomaly

11.4715, 11.0392, 38.5720

Tritanomaly

9.0045, 10.9180, 23.8231

Monochromacy



Original Color

12.0720, 11.2069, 39.0630

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.3818, 9.7687, 18.2207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0720, 11.2069, 39.0630 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(43, 93, 169)` looks like.

```
.text, #text, p{  
    color:rgb(43, 93, 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(43, 93, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 93, 169) }
```

Border

The CSS property to change the border of an element to XYZ 12.0720, 11.2069, 39.0630 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(43, 93, 169) }
```


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

```
.border{ border-color:rgb(43, 93, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 93, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 93, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 93, 169);  
box-shadow:4px 4px 4px 4px rgb(43, 93,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0720, 11.2069, 39.0630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 93, 169) }
```

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

```
.background{ background-color: rgb(43, 93,  
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