

Converting Colors

XYZ(12.0526, 11.4962, 39.7138)

Have a look what the booklet for
XYZ(12.0526, 11.4962, 39.7138)
contains.

XYZ(12.0076, 11.4268, 39.6029)	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>	30

Color

**XYZ(12.0076, 11.4268,
39.6029)**

Conversions

Conversions Part 1

Format	Color
Hex	225FAA
RGB	34, 95, 170
RGB Percent	13%, 37%, 67%
CMY	0.8666, 0.6274, 0.3333
CMYK	0.80, 0.44, 0.00, 0.33
HSL	213°, 67%, 40%
HSV	213°, 80%, 67%
XYZ	12.0076, 11.4268, 39.6029
YIQ	85.3110, -60.4310, 10.3930

Conversions

Conversions Part 2

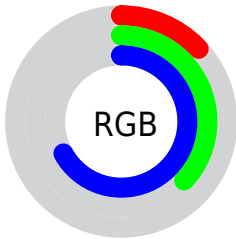
Format	Color
R_{YB}	34, 76, 170
Decimal	2252714
CIE _{Lab}	40.29, 8.26, -45.71
CIE _{LCh}	40, 46.451, 280.237
Yxy	11.4268, 0.1905, 0.1813
Android (android.graphics.Color)	4280442794 (0xFF225FAA)
YUV	85.3110, 41.7517, -44.9997
Hunter-Lab	33.8036, 4.2500, -45.7993

Details

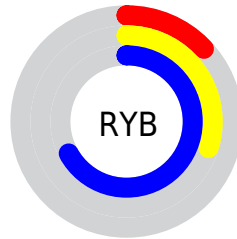
The XYZ color **12.0076, 11.4268, 39.6029** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.3364, 19.6013, 4.1204**, and the grayscale version is **8.6249, 9.0740, 9.8816**.

A 20% lighter version of the original color is **29.1084, 28.4511, 75.9089**, and **4.3515, 3.5656, 17.2885** is the 20% darker color. If you saturate the color by 10%, you get **10.7850, 9.6174, 39.3184**, and if you desaturate by 10%, it is **13.6099, 13.5830, 39.9349**.

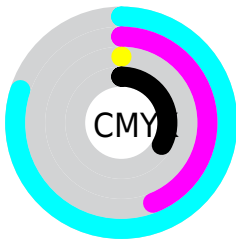
Distribution



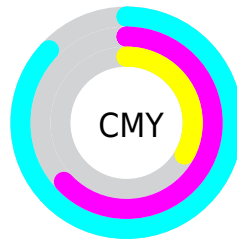
- Red (13%)
- Green (37%)
- Blue (67%)



- Red (13%)
- Yellow (30%)
- Blue (67%)



- Cyan (80%)
- Magenta (44%)
- Yellow (0%)
- Black (33%)



- Cyan (87%)
- Magenta (63%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0076, 11.4268, 39.6029 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 12.0076, 11.4268, 39.6029 by changing the saturation by 10% instead.

■ 12.0076, 11.4268,
39.6029

■ 12.0076, 11.4268,
39.6029

198.2245,
200.5727, 359.9492

■ 6.8211, 6.3547,
26.9176

■ 29.1257, 28.4467,
75.7889

■ 3.3958, 3.0619,
17.2795

■ 41.7880, 41.1633,
100.1267

■ 1.3664, 1.1641,
10.2699

■ 57.6729, 57.1969,
129.1858

■ 0.2321, 0.0321,
5.4703

■ 77.1458, 76.9318,
163.3847

■ 0.0000, 0.0000,
2.4623

■ 100.5721,
100.7524, 203.1420

■ 0.0000, 0.0000,
0.8201

■ 128.3170,

■ 0.0000, 0.0000,

129.0432, 248.8761

0.0000

160.7460,
162.1885, 301.0057

■ 12.0076, 11.4268,
39.6029

■ 12.0076, 11.4268,
39.6029

■ 10.7850, 9.6174,
39.3184

■ 13.6099, 13.5830,
39.9349

■ 9.8575, 8.1057,
39.0754

■ 15.6299, 16.1105,
40.3163

■ 9.8570, 8.1047,
39.0753

■ 18.1020, 19.0318,
40.7499

■ 21.0563, 22.3673,
41.2380

■ 24.5202, 26.1352,
41.7827

■ 28.5187, 30.3530,
42.3861

■ 33.0753, 35.0367,
43.0499

■ 38.2119, 40.2016,
43.7762

■ 43.9490, 45.8623,
44.5664

Harmonies

Analogous

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



8.8852, 11.4268, 37.9645



12.0076, 11.4268, 39.6029



15.4091, 11.4268, 31.6692

Triad

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



12.0076, 11.4268, 39.6029



16.3526, 11.4268, 4.1020



5.9845, 11.4268, 7.3261

Complementary

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



12.0076, 11.4268, 39.6029



22.3364, 19.6013, 4.1204

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.



7.3092, 11.4268, 3.1801



12.0076, 11.4268, 39.6029



13.1095, 11.4268, 2.0651

Square

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



12.0076, 11.4268, 39.6029



18.2286, 11.4268, 9.5293



9.7895, 11.4268, 1.8418



5.8061, 11.4268, 15.8946

Rectangle

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



12.0076, 11.4268, 39.6029



17.2257, 11.4268, 23.5841



9.7895, 11.4268, 1.8418



6.2959, 11.4268, 5.5137

Sweetspot

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



12.0081, 11.4271, 39.6032



48.3989, 51.5701, 76.4050



17.7847, 30.1898, 19.3030



10.2410, 10.9159, 16.9549



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.



12.0081, 11.4271, 39.6032



18.2656, 15.3027, 70.9929



8.7350, 4.5145, 38.4414



7.3984, 7.8338, 9.5405



7.3050, 6.0702, 28.7621



0.2292, 0.2506, 0.7169

Inverse Universe

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



19.2156, 10.5170, 11.8439



32.6932, 16.7060, 14.7026



29.8092, 36.6730, 7.0217



7.6657, 7.5961, 8.5568



13.1878, 6.6838, 5.8007



0.3468, 0.1730, 0.2778

Previews

White Background



This preview shows how the XYZ color 12.0076, 11.4268, 39.6029 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 12.0076, 11.4268, 39.6029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

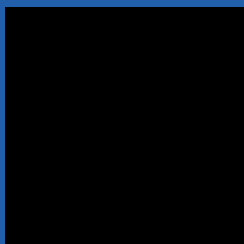
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0076, 11.4268, 39.6029

Background



This preview shows how black text looks on a background with the XYZ color 12.0076, 11.4268, 39.6029.



This preview shows how white text looks on a background with the XYZ color 12.0076, 11.4268,

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

12.0076, 11.4268, 39.6029

Protanopia

12.6657, 11.4050, 38.0930

Deuteranopia

11.6697, 11.3872, 39.6131

Trichromacy



Original Color

12.0076, 11.4268, 39.6029

Protanomaly

12.3475, 11.3597, 38.5876

Deuteranomaly

11.7919, 11.4502, 39.6188

Monochromacy



Original Color

12.0076, 11.4268, 39.6029

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.9715, 9.5640, 17.8962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0076, 11.4268, 39.6029 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(34, 95, 170)` looks like.

```
.text, #text, p{  
    color:rgb(34, 95, 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(34, 95, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 95, 170) }
```

Border

The CSS property to change the border of an element to XYZ 12.0076, 11.4268, 39.6029 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(34, 95, 170) }
```

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

```
.border{ border-color:rgb(34, 95, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 95, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 95, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 95, 170);  
box-shadow:4px 4px 4px 4px rgb(34, 95,  
170) }
```


Background

The CSS property to change the background color of an element to XYZ 12.0076, 11.4268, 39.6029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 95, 170) }
```

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

```
.background{ background-color: rgb(34, 95,  
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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