

Converting Colors

XYZ(11.8242, 9.9760, 42.8983)

Have a look what the booklet for
XYZ(11.8242, 9.9760, 42.8983)
contains.

XYZ(11.8440, 10.0114, 42.9031)	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(11.8440, 10.0114,
42.9031)**

Conversions

Conversions Part 1

Format	Color
Hex	2255B1
RGB	34, 85, 177
RGB Percent	13%, 33%, 69%
CMY	0.8666, 0.6667, 0.3059
CMYK	0.81, 0.52, 0.00, 0.31
HSL	219°, 68%, 41%
HSV	219°, 81%, 69%
XYZ	11.8440, 10.0114, 42.9031
YIQ	80.2390, -59.9280, 17.8000

Conversions

Conversions Part 2

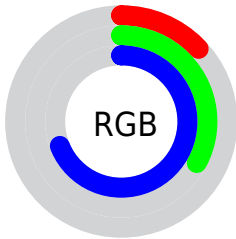
Format	Color
R_{YB}	34, 72, 177
Decimal	2250161
CIE _{Lab}	37.86, 17.57, -53.76
CIE _{LCh}	38, 56.557, 288.103
Yxy	10.0114, 0.1829, 0.1546
Android (android.graphics.Color)	4280440241 (0xFF2255B1)
YUV	80.2390, 47.7032, -40.5516
Hunter-Lab	31.6408, 11.4460, -58.2453

Details

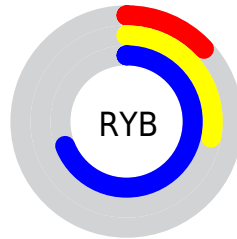
The XYZ color **11.8440, 10.0114, 42.9031** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **25.8830, 24.3878, 4.8575**, and the grayscale version is **7.5907, 7.9860, 8.6967**.

A 20% lighter version of the original color is **28.8266, 25.8170, 80.5546**, and **4.3681, 3.0159, 19.0908** is the 20% darker color. If you saturate the color by 10%, you get **10.5779, 8.1331, 42.6075**, and if you desaturate by 10%, it is **13.5557, 12.3336, 43.2614**.

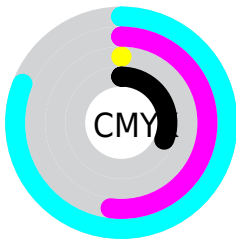
Distribution



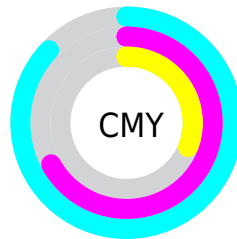
- Red (13%)
- Green (33%)
- Blue (69%)



- Red (13%)
- Yellow (28%)
- Blue (69%)



- Cyan (81%)
- Magenta (52%)
- Yellow (0%)
- Black (31%)



- Cyan (87%)
- Magenta (67%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8440, 10.0114, 42.9031 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 11.8440, 10.0114, 42.9031 by changing the saturation by 10% instead.

■ 11.8440, 10.0114,
42.9031

■ 11.8440, 10.0114,
42.9031

197.1609,
190.7534, 374.1226

■ 6.7090, 5.4065,
29.4783

■ 28.8300, 25.8169,
80.8494

■ 3.3255, 2.4877,
19.1942

■ 41.4117, 37.7864,
106.2079

■ 1.3281, 0.8705,
11.6325

■ 57.2063, 52.9795,
136.3815

■ 0.2041, 0.0000,
6.3745

■ 76.5792, 71.7806,
171.7885

■ 0.0000, 0.0000,
3.0016

■ 99.8958, 94.5742,
212.8476

■ 0.0000, 0.0000,
1.0955

■ 127.5213,

■ 0.0000, 0.0000,

121.7446, 259.9773

0.0000

159.8212,
153.6762, 313.5961

■ 11.8440, 10.0114,
42.9031

■ 11.8440, 10.0114,
42.9031

■ 10.5779, 8.1331,
42.6075

■ 13.5557, 12.3336,
43.2614

■ 9.7198, 6.7422,
42.3843

■ 15.7586, 15.1329,
43.6856

■ 18.4934, 18.4391,
44.1796

■ 21.7961, 22.2793,
44.7468

■ 25.6992, 26.6784,
45.3902

■ 30.2325, 31.6593,
46.1126

■ 35.4239, 37.2438,
46.9169

■ 41.2995, 43.4524,
47.8056

■ 47.8839, 50.3046,
48.7812

Harmonies

Analogous

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



8.1527, 10.0114, 44.3092



11.8440, 10.0114, 42.9031



15.6870, 10.0114, 30.3427

Triad

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



11.8440, 10.0114, 42.9031



14.9559, 10.0114, 1.7810



4.2040, 10.0114, 7.2888

Complementary

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



11.8440, 10.0114, 42.9031



25.8830, 24.3878, 4.8575

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.



5.2212, 10.0114, 2.2766



11.8440, 10.0114, 42.9031



11.0224, 10.0114, 0.6949

Square

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



11.8440, 10.0114, 42.9031



17.7740, 10.0114, 5.8096



7.5142, 10.0114, 0.8056



4.3181, 10.0114, 18.3339

Rectangle

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



11.8440, 10.0114, 42.9031



17.5362, 10.0114, 20.1429



7.5142, 10.0114, 0.8056



4.4117, 10.0114, 5.0325

Sweetspot

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



11.8445, 10.0117, 42.9034



51.0674, 53.3427, 82.0999



20.0567, 33.2545, 24.6205



10.4583, 10.8906, 17.6952



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



11.8445, 10.0117, 42.9034



17.6481, 12.4277, 75.9639



9.9805, 5.0781, 42.0493



8.2817, 8.7096, 10.7510



7.0950, 4.9904, 30.7263



0.2796, 0.2698, 0.9856

Inverse Universe

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



20.3437, 11.1478, 9.6739



34.2381, 17.5660, 10.4465



30.0990, 38.8226, 7.4215



8.6174, 8.5537, 9.4836



13.8159, 7.0439, 4.1905



0.4632, 0.2330, 0.2817

Previews

White Background



This preview shows how the XYZ color 11.8440, 10.0114, 42.9031 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 11.8440, 10.0114, 42.9031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

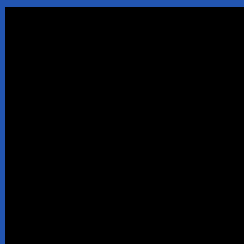
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8440, 10.0114, 42.9031

Background



This preview shows how black text looks on a background with the XYZ color 11.8440, 10.0114, 42.9031.



This preview shows how white text looks on a background with the XYZ color 11.8440, 10.0114,

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

11.8440, 10.0114, 42.9031

Protanopia

11.7897, 10.0895, 43.4456

Deuteranopia

9.9126, 9.9508, 33.7460



Tritanopia

7.0116, 9.9436, 14.9144

Trichromacy



Original Color

11.8440, 10.0114, 42.9031

Protanomaly

11.8704, 10.1311, 43.4493

Deuteranomaly

10.5155, 9.9395, 36.9616

Tritanomaly

8.2511, 9.7223, 22.9144

Monochromacy



Original Color

11.8440, 10.0114, 42.9031

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.1617, 8.3292, 17.3972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8440, 10.0114, 42.9031 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, 85, 177)` looks like.

```
.text, #text, p{  
    color:rgb(34, 85, 177)  
}
```

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, 85, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 85, 177) }
```

Border

The CSS property to change the border of an element to XYZ 11.8440, 10.0114, 42.9031 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, 85, 177) }
```


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

```
.border{ border-color:rgb(34, 85, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 85, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 85, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 85, 177);  
box-shadow:4px 4px 4px 4px rgb(34, 85,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8440, 10.0114, 42.9031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 85, 177) }
```

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

```
.background{ background-color: rgb(34, 85,  
177) }
```

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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