

Converting Colors

XYZ(18.3802, 10.1865, 82.4117)

Have a look what the booklet for
XYZ(18.3802, 10.1865, 82.4117)
contains.

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Color

**XYZ(18.4210, 10.1738,
82.6542)**

Conversions

Conversions Part 1

Format	Color
Hex	2F3DEF
RGB	47, 61, 239
RGB Percent	18%, 24%, 94%
CMY	0.8156, 0.7608, 0.0627
CMYK	0.80, 0.74, 0.00, 0.06
HSL	236°, 86%, 56%
HSV	236°, 80%, 94%
XYZ	18.4210, 10.1738, 82.6542
YIQ	77.1060, -65.4820, 52.3900

Conversions

Conversions Part 2

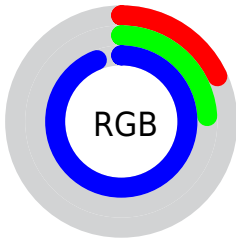
Format	Color
R_{YB}	47, 60, 239
Decimal	3096047
CIE _{Lab}	38.15, 55.94, -89.08
CIE _{LCh}	38, 105.185, 302.127
Yxy	10.1738, 0.1656, 0.0915
Android (android.graphics.Color)	4281286127 (0xFF2F3DEF)
YUV	77.1060, 79.8137, -26.4030
Hunter-Lab	31.8964, 47.2697, -131.3127

Details

The XYZ color **18.4210, 10.1738, 82.6542** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **63.0410, 72.4179, 13.3466**, and the grayscale version is **6.9399, 7.3013, 7.9511**.

A 20% lighter version of the original color is **32.3783, 22.8839, 97.3182**, and **8.4975, 3.6503, 43.9728** is the 20% darker color. If you saturate the color by 10%, you get **16.6563, 7.8559, 82.3002**, and if you desaturate by 10%, it is **21.2778, 13.7790, 83.1998**.

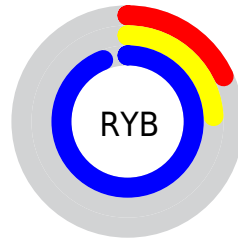
Distribution



Red (18%)

Green (24%)

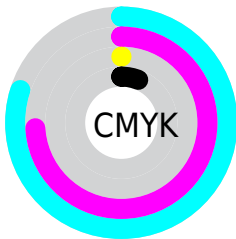
Blue (94%)



Red (18%)

Yellow (24%)

Blue (94%)

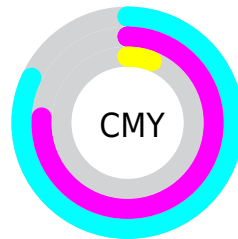


Cyan (80%)

Magenta (74%)

Yellow (0%)

Black (6%)



Cyan (82%)

Magenta (76%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4210, 10.1738, 82.6542 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 18.4210, 10.1738, 82.6542 by changing the saturation by 10% instead.

■ 18.4210, 10.1738,
82.6542

■ 18.4210, 10.1738,
82.6542

236.2334,
191.9080, 523.7741

■ 11.3542, 5.5143,
61.3660

■ 40.2779, 26.1219,
138.9359

■ 6.3746, 2.5521,
44.0881

■ 55.7987, 38.1793,
174.7665

■ 3.1170, 0.9026,
30.4021

■ 74.8681, 53.4715,
216.2816

■ 1.2159, 0.0000,
19.8893

■ 97.8517, 72.3829,
263.8998

■ 0.1189, 0.0000,
12.1314

■ 125.1146, 95.2978,
318.0396

■ 0.0000, 0.0000,
6.7096

■ 157.0223,

■ 0.0000, 0.0000,

122.6008, 379.1196

3.2055

193.9401,
154.6760, 447.5582

■ 0.0000, 0.0000,
1.2005

■ 0.0000, 0.0000,
0.0000

■ 18.4210, 10.1738,
82.6542

■ 18.4210, 10.1738,
82.6542

■ 16.6563, 7.8559,
82.3002

■ 21.2778, 13.7790,
83.1998

■ 15.7868, 6.6455,
82.1124

■ 25.3643, 18.8229,
83.9580

■ 30.8001, 25.4360,
84.9480

■ 37.6900, 33.7342,
86.1866

■ 46.1283, 43.8223,
87.6890

■ 56.2016, 55.7967,
89.4694

■ 67.9898, 69.7467,
91.5407

■ 81.5677, 85.7560,
93.9152

■ 92.5801, 99.0120,
95.8934

Harmonies

Analogous

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



10.1632, 10.1738, 106.4178



18.4210, 10.1738, 82.6542



26.4406, 10.1738, 39.4185

Triad

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



18.4210, 10.1738, 82.6542



17.1596, 10.1738, 0.0000



1.6060, 10.1738, 12.5259

Complementary

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



18.4210, 10.1738, 82.6542



63.0410, 72.4179, 13.3466

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.



2.1059, 10.1738, 1.1745



18.4210, 10.1738, 82.6542



9.1928, 10.1738, 0.0000

Square

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



18.4210, 10.1738, 82.6542



25.5033, 10.1738, 0.6882



4.2508, 10.1738, 0.0000



2.2865, 10.1738, 45.2981

Rectangle

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



18.4210, 10.1738, 82.6542



29.2599, 10.1738, 17.0381



4.2508, 10.1738, 0.0000



1.6408, 10.1738, 6.6998

Sweetspot

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



18.4217, 10.1739, 82.6545



60.4996, 59.1684, 102.8397



45.3593, 67.6658, 80.4835



12.0646, 11.6124, 21.8555



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.4217, 10.1739, 82.6545



18.5935, 8.1175, 95.1946



25.3512, 12.7793, 82.7922



14.9897, 15.4135, 19.9067



8.7585, 3.7413, 45.3884



0.7606, 0.3752, 3.7865

Inverse Universe

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



37.4562, 20.7221, 6.4401



41.5606, 21.5654, 3.0723



45.6796, 69.3103, 13.6618



15.8195, 15.7775, 16.6057



19.7465, 10.1710, 1.3158



1.6589, 0.8526, 0.1944

Previews

White Background



This preview shows how the XYZ color 18.4210, 10.1738, 82.6542 looks on a white background.

Color Contrast Check

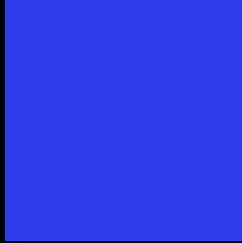
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4210, 10.1738, 82.6542 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 18.4210, 10.1738, 82.6542

Background



This preview shows how black text looks on a background with the XYZ color 18.4210, 10.1738, 82.6542.



This preview shows how white text looks on a background with the XYZ color 18.4210, 10.1738,

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

18.4210, 10.1738, 82.6542

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.6599, 9.9874, 31.9905



Tritanopia

6.9605, 9.9232, 14.6452

Trichromacy



Original Color

18.4210, 10.1738, 82.6542

Protanomaly

13.4277, 9.6440, 56.4121

Deuteranomaly

11.9306, 9.5068, 47.1051

Tritanomaly

9.2294, 8.9161, 31.3715

Monochromacy



Original Color

18.4210, 10.1738, 82.6542

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.9439, 7.4423, 24.2577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4210, 10.1738, 82.6542 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(47, 61, 239)` looks like.

```
.text, #text, p{  
    color:rgb(47, 61, 239)  
}
```

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(47, 61, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 61, 239) }
```

Border

The CSS property to change the border of an element to XYZ 18.4210, 10.1738, 82.6542 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(47, 61, 239) }
```


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

```
.border{ border-color:rgb(47, 61, 239) }
```

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

Here you see how a box with a 4 pixel rgb(47, 61, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 61, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 61, 239);  
box-shadow:4px 4px 4px 4px rgb(47, 61,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4210, 10.1738, 82.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 61, 239) }
```

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

```
.background{ background-color: rgb(47, 61,  
239) }
```

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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